

DME DME Assessment Results for GWAVA2 path KMIA:RW08L:DER_GWAVA

Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Miles CTR Carpenter
Project File:	C:\Users\Miles CTR Carpenter\Desktop\FLMP May 2022 DME Evaluations\KMIA\KMIA GWAVA2 SID DME 20211203_0953 EST\KMIA GWAVA2 SID DME 20211203.tgs
Output File:	C:\Users\Miles CTR Carpenter\Desktop\FLMP May 2022 DME Evaluations\KMIA\KMIA [IFPA] GWAVA2 20211213_0624 EST\KMIA-RW08L-DER_GWAVA\KMIA GWAVA2 SID KMIA RW08L GWAVA 20211213_0624 EST.pdf
Procedure Name:	GWAVA2
Software: DmeDmePlugin:	6.4.1
Date/Time:	12/13/2021 06:24 EST
Databases:	DTED MAX

Failures

No Failures

Warnings

No Warnings

Notes For Flight Check

None

Flight Plan

Name	Type	Lat/Lon	Altitude (ft)	VNAV Mode	Ground Speed (kts)	Turn Type	Leg Type
KMIA:RW08L:DER	WP	N25° 48' 14.320", W080° 16' 31.550"	8.8	VNAV	130	FLY_BY	TF
BALLR	WP	N25° 44' 14.810", W080° 11' 32.650"	1500	VNAV	200	FLY_BY	TF
MYNNT	WP	N25° 40' 36.400", W080° 11' 24.470"	2000	VNAV	200	FLY_BY	TF
RUUMM	WP	N25° 37' 10.850", W080° 11' 52.340"	2800	VNAV	200	FLY_BY	TF
GWAVA	WP	N25° 15' 59.780", W079° 57' 55.470"	7000	VNAV	200	FLY_BY	TF
Climb Gradient: 500.0 ft/NM up to 520.0 ft MSL 500.0 ft/NM up to 740.0 ft MSL 200.0 ft/NM							

Flyability

Flight Type:	SID
Selected Airport:	KMIA [IFPA]
Climb Gradient:	500.0 ft/NM up to 520.0 ft MSL 500.0 ft/NM up to 740.0 ft MSL 200.0 ft/NM
Speeds:	130 at the Runway DER
	145 at the end of the VA or VI leg
	200 Ground Speed to 11000 FT
	240 Ground Speed to 18000 FT
	260 Ground Speed to 24000 FT
	340 Ground Speed above 24000 FT
Descent During a Turn:	Allowed
VNAV Mode:	Flight Plan

DME DME Assessment Results for GWAVA2 path KMIA:RW08L:DER_GWAVA

DME/DME	
RNP:	RNP 2
Flight Mode:	Manual
Line of Sight (DTED Level 0 Max):	Evaluated
Inertial Drift:	Enabled
Initial Drift:	0.558 NM
INS Drift Rate:	8.0 NM/Hour
Range Mode:	OSV
RNP Edges:	Evaluated
Min DME Range:	3.0 NM
DME Types:	DME, VOR-DME, VORTAC
DME Include Angles:	30 to 150
Critical DMEs:	Not Allowed
DoD Facilities:	Not included
Foreign Facilities:	Included
High DMEs:	Included
Low DMEs:	Included
Terminal DMEs:	Included
Flight Check DMEs:	Not selected
Higher Altitudes:	Not Evaluated
Near Maximum Altitude:	Not Evaluated
Automatic ESVs:	Not enabled
Disabled DMEs:	NCZ,ZFP,ZQA,ZTC

DME/DME (Continued)										
DMEs Used										
#	Name	Lat/Lon	MAGVAR	Range	Type	Source	Critical	Status	Time	Distance
1	VKZ	N25° 45' 06.846", W080° 09' 15.996"	4.0 W	130	H	IFPA	NO	Enabled	54.9 %	56.6 %
2	ZBV	N25° 42' 15.000", W079° 17' 40.000"	4.0 W	130	H	IFPA	NO	Enabled	29.3 %	30.8 %
3	FLL	N26° 04' 26.183", W080° 09' 59.192"	6.0 W	130	H	IFPA	NO	Enabled	27.9 %	28 %
4	DHP	N25° 47' 59.866", W080° 20' 56.526"	4.0 W	130	H	IFPA	NO	Enabled	56 %	57.4 %
5	NCZ	N24° 41' 58.524", W077° 46' 14.451"	5.0 W	40	L	IFPA	NO	Disabled		
6	ZFP	N26° 33' 19.250", W078° 41' 52.250"	3.0 W	130	H	IFPA	NO	Disabled		
7	ZQA	N25° 01' 31.800", W077° 26' 47.100"	6.0 W	130	H	IFPA	NO	Disabled		
8	ZTC	N26° 44' 05.000", W077° 22' 45.000"	5.0 W	130	H	IFPA	NO	Disabled		

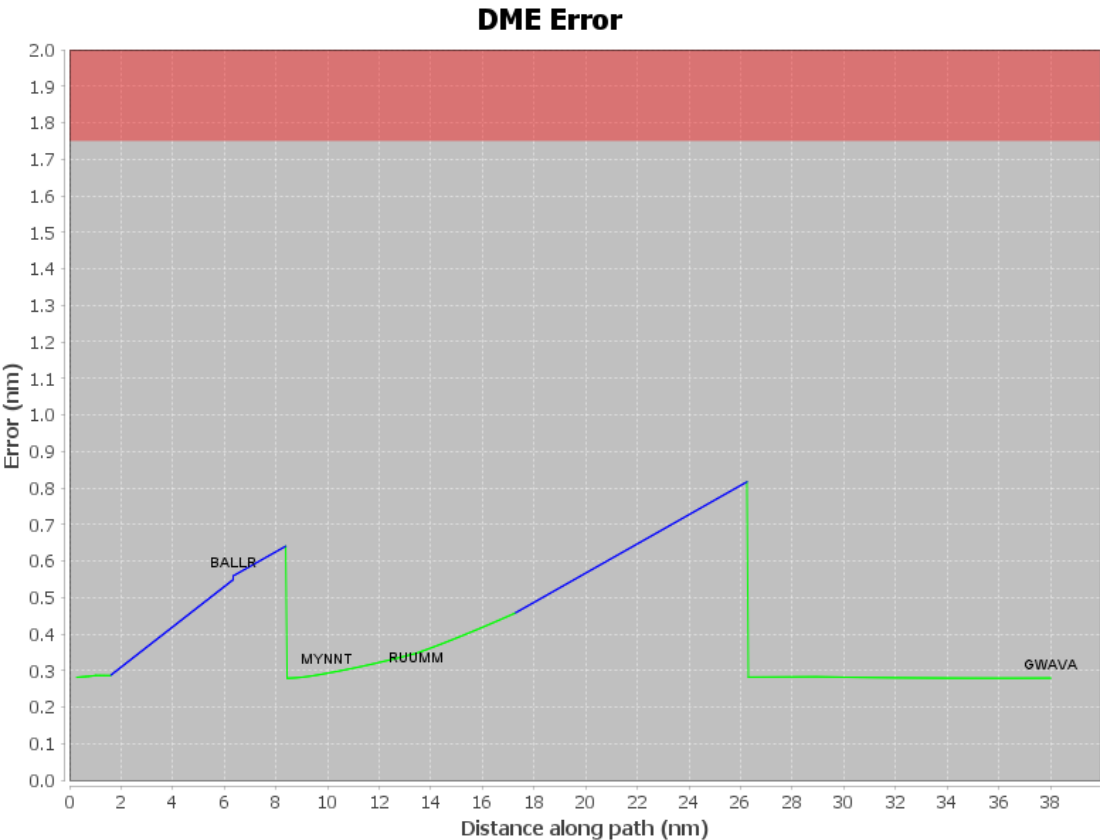
Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0						
0.3	VKZ	DHP				
0.4	VKZ	FLL	DHP			
1.3	FLL	DHP				
1.6						
8.4	VKZ	DHP				
10.0	VKZ	DHP	FLL			
13.7	VKZ	DHP				
17.3						
26.3	ZBV	VKZ	DHP			
32.2	ZBV	DHP	VKZ	FLL		

DME DME Assessment Results for GWAVA2 path KMIA:RW08L:DER_GWAVA

Inertial Drift Segments			
#	Start Location	End Location	Length [NM]
1	N25° 48' 14.417", W080° 16' 29.208"	N25° 48' 15.093", W080° 16' 12.818"	0.2468
2	N25° 47' 49.795", W080° 14' 57.577"	N25° 42' 09.059", W080° 11' 27.939"	6.8135
3	N25° 33' 50.096", W080° 09' 39.778"	N25° 26' 05.361", W080° 04' 33.461"	8.998

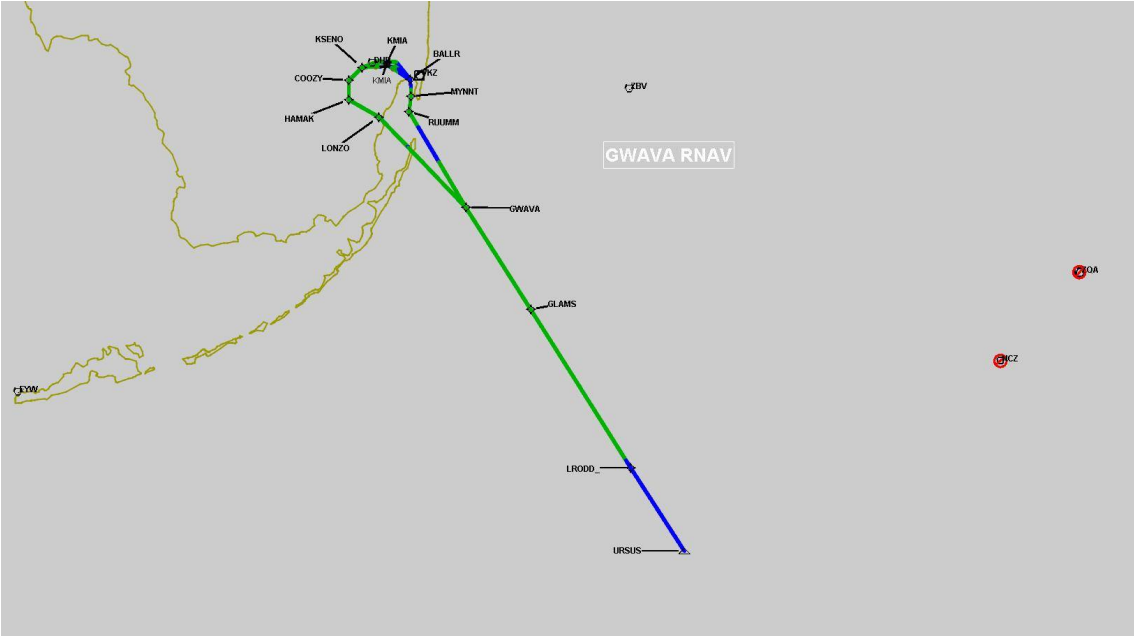
Available DMEs by Waypoints		
Waypoint Before	Waypoint After	DME List
KMIA:RW08L:DER	BALLR	VKZ, FLL, DHP
BALLR	MYNNT	VKZ, DHP
MYNNT	RUUMM	VKZ, FLL, DHP
RUUMM	GWAVA	VKZ, FLL, DHP, ZBV

User Data Files								
#	File Name							
1	UserDMEsKMIA [IFPA] GWAVA1 SID_20210105_0918 EST.udt							
User DMEs								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	EYW FAA 701364-016 EYW [IFPA]	N24° 35' 09.162", W081° 48' 01.715"	1.0 E	130	10	113.5	EYW FAA 701364-016	
ESV:		Bearing [True]: 71.0° to 101.0° Bearing [Mag]: 70.0° to 100.0°				Arc Distance: Out to 140.0 NM Altitude: 13100.0 to 18000.0 ft		
2	ZBV FAA 051542-33 ZBV [IFPA]	N25° 42' 15.000", W079° 17' 40.000"	4.0 W	130	10	116.7	ZBV FAA 051542-33	
ESV:		Bearing [True]: 234.0° to 280.0° Bearing [Mag]: 238.0° to 284.0°				Arc Distance: Out to 84.0 NM Altitude: 5000.0 to 18000.0 ft		
3	FLL FAA 121409-017 FLL [IFPA]	N26° 04' 26.183", W080° 09' 59.192"	6.0 W	130	5.6	114.4	FLL FAA 121409-017	
ESV:		Bearing [True]: 44.0° to 184.0° Bearing [Mag]: 50.0° to 190.0°				Arc Distance: Out to 90.0 NM Altitude: 6000.0 to 15000.0 ft		
4	EYW FAA 701364-017 EYW [IFPA]	N24° 35' 09.162", W081° 48' 01.715"	1.0 E	130	10	113.5	EYW FAA 701364-017	
ESV:		Bearing [True]: 56.0° to 96.0° Bearing [Mag]: 55.0° to 95.0°				Arc Distance: Out to 116.0 NM Altitude: 9500.0 to 18000.0 ft		
5	ZBV FAA 051542-050 ZBV [IFPA]	N25° 42' 15.000", W079° 17' 40.000"	4.0 W	130	10	116.7	ZBV FAA 051542-050	
ESV:		Bearing [True]: 186.0° to 286.0° Bearing [Mag]: 190.0° to 290.0°				Arc Distance: Out to 86.0 NM Altitude: 5100.0 to 18000.0 ft		



DME DME Assessment Results for GWAVA2 path KMIA:RW08L:DER_GWAVA

Graphic Depiction 1



DME DME Assessment Results for GWAVA2 path KMIA:RW08R:DER_BALLR

Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Miles CTR Carpenter
Project File:	C:\Users\Miles CTR Carpenter\Desktop\FLMP May 2022 DME Evaluations\KMIA\KMIA GWAVA2 SID DME 20211203_0953 EST\KMIA GWAVA2 SID DME 20211203.tgs
Output File:	C:\Users\Miles CTR Carpenter\Desktop\FLMP May 2022 DME Evaluations\KMIA\KMIA [IFPA] GWAVA2 20211213_0624 EST\KMIA-RW08R-DER_BALLR\KMIA GWAVA2 SID KMIA RW08R BALLR 20211213_0624 EST.pdf
Procedure Name:	GWAVA2
Software: DmeDmePlugin:	6.4.1
Date/Time:	12/13/2021 06:24 EST
Databases:	DTED MAX

Failures

No Failures

Warnings

No Warnings

Notes For Flight Check

None

Flight Plan

Name	Type	Lat/Lon	Altitude (ft)	VNAV Mode	Ground Speed (kts)	Turn Type	Leg Type
KMIA:RW08R:DER	WP	N25° 48' 07.265", W080° 16' 10.328"	8.9	VNAV	130	FLY_BY	TF
BALLR	WP	N25° 44' 14.810", W080° 11' 32.650"	1500	VNAV	200	FLY_BY	TF
Climb Gradient: 500.0 ft/NM up to 520.0 ft MSL 500.0 ft/NM up to 740.0 ft MSL 200.0 ft/NM							

Flyability

Flight Type:	SID
Selected Airport:	KMIA [IFPA]
Climb Gradient:	500.0 ft/NM up to 520.0 ft MSL 500.0 ft/NM up to 740.0 ft MSL 200.0 ft/NM
Speeds:	130 at the Runway DER
	145 at the end of the VA or VI leg
	200 Ground Speed to 11000 FT
	240 Ground Speed to 18000 FT
	260 Ground Speed to 24000 FT
	340 Ground Speed above 24000 FT
Descent During a Turn:	Allowed
VNAV Mode:	Flight Plan

DME DME Assessment Results for GWAVA2 path KMIA:RW08R:DER_BALLR

DME/DME	
RNP:	RNP 2
Flight Mode:	Manual
Line of Sight (DTED Level 0 Max):	Evaluated
Inertial Drift:	Enabled
Initial Drift:	0.558 NM
INS Drift Rate:	8.0 NM/Hour
Range Mode:	OSV
RNP Edges:	Evaluated
Min DME Range:	3.0 NM
DME Types:	DME, VOR-DME, VORTAC
DME Include Angles:	30 to 150
Critical DMEs:	Not Allowed
DoD Facilities:	Not included
Foreign Facilities:	Included
High DMEs:	Included
Low DMEs:	Included
Terminal DMEs:	Included
Flight Check DMEs:	Not selected
Higher Altitudes:	Not Evaluated
Near Maximum Altitude:	Not Evaluated
Automatic ESVs:	Not enabled
Disabled DMEs:	NCZ,ZFP,ZQA,ZTC

DME/DME (Continued)										
DMEs Used										
#	Name	Lat/Lon	MAGVAR	Range	Type	Source	Critical	Status	Time	Distance
1	VKZ	N25° 45' 06.846", W080° 09' 15.996"	4.0 W	130	H	IFPA	NO	Enabled	13.8 %	12.5 %
2	FLL	N26° 04' 26.183", W080° 09' 59.192"	6.0 W	130	H	IFPA	NO	Enabled	11 %	9.9 %
3	DHP	N25° 47' 59.866", W080° 20' 56.526"	4.0 W	130	H	IFPA	NO	Enabled	10.5 %	9.6 %
4	NCZ	N24° 41' 58.524", W077° 46' 14.451"	5.0 W	40	L	IFPA	NO	Disabled		
5	ZFP	N26° 33' 19.250", W078° 41' 52.250"	3.0 W	130	H	IFPA	NO	Disabled		
6	ZQA	N25° 01' 31.800", W077° 26' 47.100"	6.0 W	130	H	IFPA	NO	Disabled		
7	ZTC	N26° 44' 05.000", W077° 22' 45.000"	5.0 W	130	H	IFPA	NO	Disabled		

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0						
0.4	VKZ	FLL				
0.6	VKZ	FLL	DHP			
1.1	VKZ	DHP				
1.2						

Inertial Drift Segments			
#	Start Location	End Location	Length [NM]
1	N25° 48' 07.362", W080° 16' 07.987"	N25° 48' 08.424", W080° 15' 42.237"	0.3877
2	N25° 48' 00.654", W080° 14' 54.039"	N25° 44' 14.810", W080° 11' 32.650"	4.8233

Available DMEs by Waypoints		
Waypoint Before	Waypoint After	DME List
KMIA:RW08R:DER	BALLR	VKZ, FLL, DHP

DME DME Assessment Results for GWAVA2 path KMIA:RW08R:DER BALLR

User Data Files

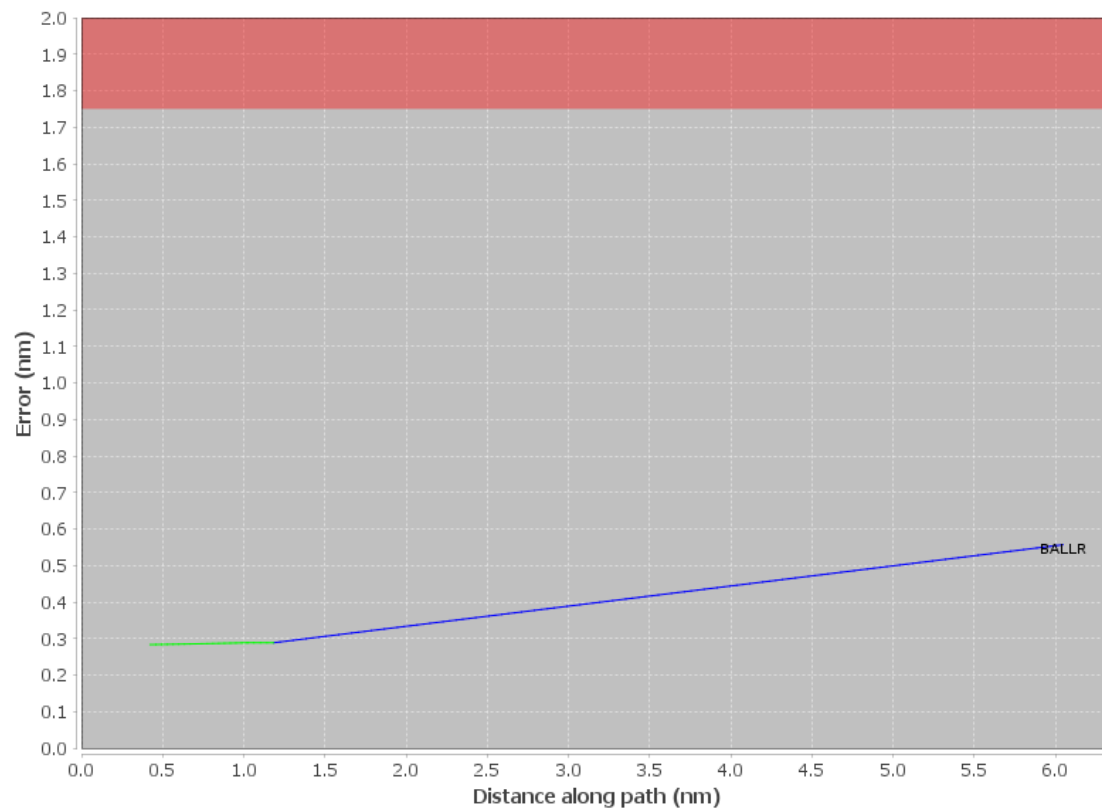
#	File Name
1	UserDMEsKMIA [IFPA] GWAVA1 SID_20210105_0918 EST.udt

User DMEs

#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	EYW FAA 701364-016 EYW [IFPA]	N24° 35' 09.162" W081° 48' 01.715"	1.0 E	130	10	113.5	EYW FAA 701364-016	
ESV:		Bearing [True]: 71.0° to 101.0° Bearing [Mag]: 70.0° to 100.0°				Arc Distance: Out to 140.0 NM Altitude: 13100.0 to 18000.0 ft		
2	ZBV FAA 051542-33 ZBV [IFPA]	N25° 42' 15.000" W079° 17' 40.000"	4.0 W	130	10	116.7	ZBV FAA 051542-33	
ESV:		Bearing [True]: 234.0° to 280.0° Bearing [Mag]: 238.0° to 284.0°				Arc Distance: Out to 84.0 NM Altitude: 5000.0 to 18000.0 ft		
3	FLL FAA 121409-017 FLL [IFPA]	N26° 04' 26.183" W080° 09' 59.192"	6.0 W	130	5.6	114.4	FLL FAA 121409-017	
ESV:		Bearing [True]: 44.0° to 184.0° Bearing [Mag]: 50.0° to 190.0°				Arc Distance: Out to 90.0 NM Altitude: 6000.0 to 15000.0 ft		
4	EYW FAA 701364-017 EYW [IFPA]	N24° 35' 09.162" W081° 48' 01.715"	1.0 E	130	10	113.5	EYW FAA 701364-017	
ESV:		Bearing [True]: 56.0° to 96.0° Bearing [Mag]: 55.0° to 95.0°				Arc Distance: Out to 116.0 NM Altitude: 9500.0 to 18000.0 ft		
5	ZBV FAA 051542-050 ZBV [IFPA]	N25° 42' 15.000" W079° 17' 40.000"	4.0 W	130	10	116.7	ZBV FAA 051542-050	
ESV:		Bearing [True]: 186.0° to 286.0° Bearing [Mag]: 190.0° to 290.0°				Arc Distance: Out to 86.0 NM Altitude: 5100.0 to 18000.0 ft		

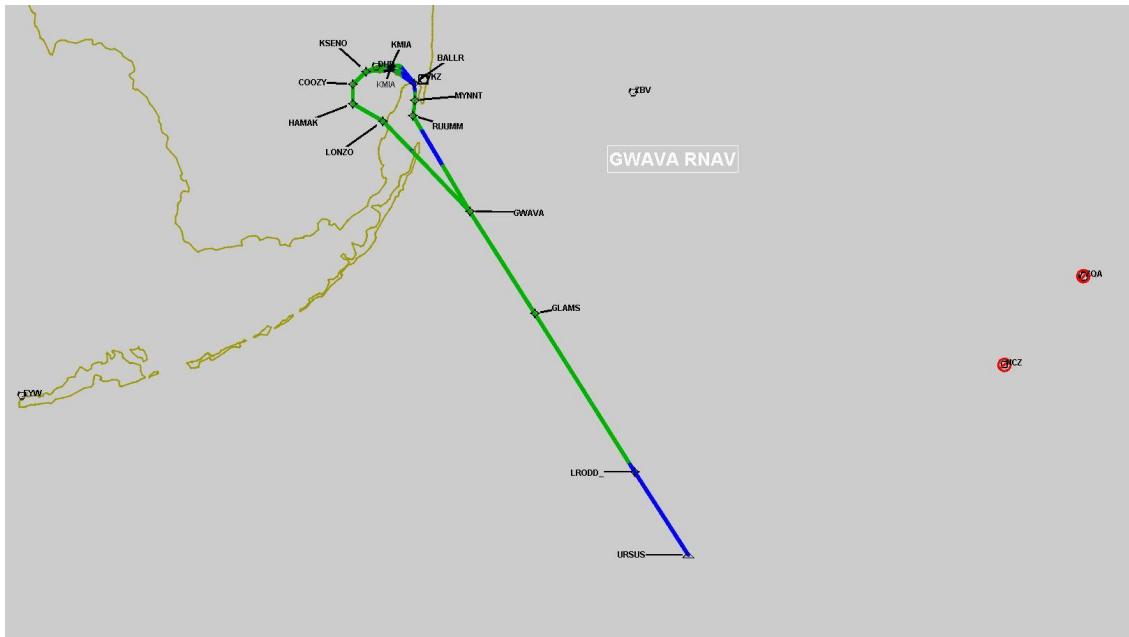
DME DME Assessment Results for GWAVA2 path KMIA:RW08R:DER_BALLR

DME Error



DME DME Assessment Results for GWAVA2 path KMIA:RW08R:DER_BALLR

Graphic Depiction 1



DME DME Assessment Results for GWAVA2 path KMIA:RW09:DER_BALLR

Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Miles CTR Carpenter
Project File:	C:\Users\Miles CTR Carpenter\Desktop\FLMP May 2022 DME Evaluations\KMIA\KMIA GWAVA2 SID DME 20211203_0953 EST\KMIA GWAVA2 SID DME 20211203.tgs
Output File:	C:\Users\Miles CTR Carpenter\Desktop\FLMP May 2022 DME Evaluations\KMIA\KMIA [IFPA] GWAVA2 20211213_0624 EST\KMIA-RW09-DER_BALLR\KMIA GWAVA2 SID KMIA RW09 BALLR 20211213_0624 EST.pdf
Procedure Name:	GWAVA2
Software: DmeDmePlugin:	6.4.1
Date/Time:	12/13/2021 06:24 EST
Databases:	DTED MAX

Failures

No Failures

Warnings

No Warnings

Notes For Flight Check

None

Flight Plan

Name	Type	Lat/Lon	Altitude (ft)	VNAV Mode	Ground Speed (kts)	Turn Type	Leg Type
KMIA:RW09:DER	WP	N25° 47' 15.833", W080° 16' 31.171"	8.9	VNAV	130	FLY_BY	TF
BALLR	WP	N25° 44' 14.810", W080° 11' 32.650"	1500	VNAV	200	FLY_BY	TF
Climb Gradient: 500.0 ft/NM up to 520.0 ft MSL 500.0 ft/NM up to 740.0 ft MSL 200.0 ft/NM							

Flyability

Flight Type:	SID
Selected Airport:	KMIA [IFPA]
Climb Gradient:	500.0 ft/NM up to 520.0 ft MSL 500.0 ft/NM up to 740.0 ft MSL 200.0 ft/NM
Speeds:	130 at the Runway DER
	145 at the end of the VA or VI leg
	200 Ground Speed to 11000 FT
	240 Ground Speed to 18000 FT
	260 Ground Speed to 24000 FT
	340 Ground Speed above 24000 FT
Descent During a Turn:	Allowed
VNAV Mode:	Flight Plan

DME DME Assessment Results for GWAVA2 path KMIA:RW09:DER_BALLR

DME/DME	
RNP:	RNP 2
Flight Mode:	Manual
Line of Sight (DTED Level 0 Max):	Evaluated
Inertial Drift:	Enabled
Initial Drift:	0.558 NM
INS Drift Rate:	8.0 NM/Hour
Range Mode:	OSV
RNP Edges:	Evaluated
Min DME Range:	3.0 NM
DME Types:	DME, VOR-DME, VORTAC
DME Include Angles:	30 to 150
Critical DMEs:	Not Allowed
DoD Facilities:	Not included
Foreign Facilities:	Included
High DMEs:	Included
Low DMEs:	Included
Terminal DMEs:	Included
Flight Check DMEs:	Not selected
Higher Altitudes:	Not Evaluated
Near Maximum Altitude:	Not Evaluated
Automatic ESVs:	Not enabled
Disabled DMEs:	NCZ,ZFP,ZQA,ZTC

DME/DME (Continued)										
DMEs Used										
#	Name	Lat/Lon	MAGVAR	Range	Type	Source	Critical	Status	Time	Distance
1	VKZ	N25° 45' 06.846", W080° 09' 15.996"	4.0 W	130	H	IFPA	NO	Enabled	27.8 %	25.6 %
2	FLL	N26° 04' 26.183", W080° 09' 59.192"	6.0 W	130	H	IFPA	NO	Enabled	27.8 %	25.6 %
3	DHP	N25° 47' 59.866", W080° 20' 56.526"	4.0 W	130	H	IFPA	NO	Enabled	25.6 %	23.8 %
4	NCZ	N24° 41' 58.524", W077° 46' 14.451"	5.0 W	40	L	IFPA	NO	Disabled		
5	ZFP	N26° 33' 19.250", W078° 41' 52.250"	3.0 W	130	H	IFPA	NO	Disabled		
6	ZQA	N25° 01' 31.800", W077° 26' 47.100"	6.0 W	130	H	IFPA	NO	Disabled		
7	ZTC	N26° 44' 05.000", W077° 22' 45.000"	5.0 W	130	H	IFPA	NO	Disabled		

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0						
0.5	VKZ	FLL				
0.6	VKZ	FLL	DHP			
1.9						

Inertial Drift Segments			
#	Start Location	End Location	Length [NM]
1	N25° 47' 15.929", W080° 16' 28.830"	N25° 47' 17.088", W080° 16' 00.742"	0.423
2	N25° 46' 41.874", W080° 14' 37.142"	N25° 44' 14.810", W080° 11' 32.650"	3.6984

Available DMEs by Waypoints		
Waypoint Before	Waypoint After	DME List
KMIA:RW09:DER	BALLR	VKZ, FLL, DHP

DME DME Assessment Results for GWAVA2 path KMIA:RW09:DER BALLR

User Data Files

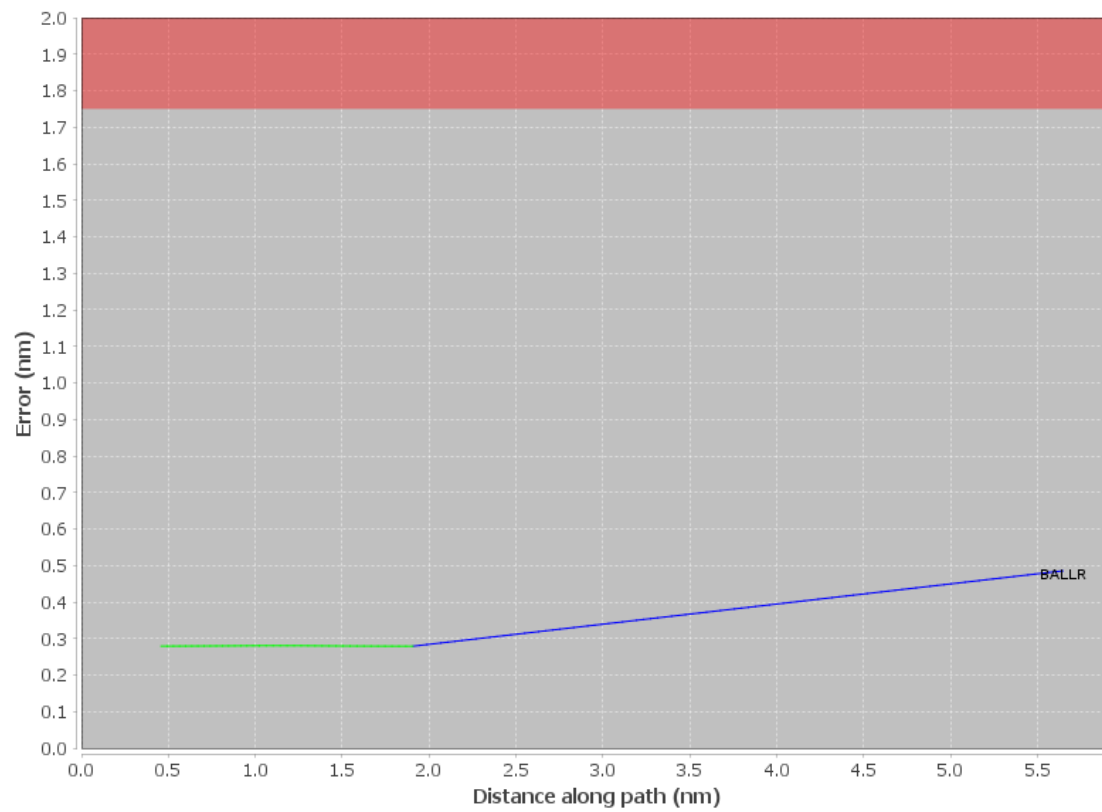
#	File Name
1	UserDMEsKMIA [IFPA] GWAVA1 SID_20210105_0918 EST.udt

User DMEs

#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	EYW FAA 701364-016 EYW [IFPA]	N24° 35' 09.162" W081° 48' 01.715"	1.0 E	130	10	113.5	EYW FAA 701364-016	
ESV:		Bearing [True]: 71.0° to 101.0° Bearing [Mag]: 70.0° to 100.0°				Arc Distance: Out to 140.0 NM Altitude: 13100.0 to 18000.0 ft		
2	ZBV FAA 051542-33 ZBV [IFPA]	N25° 42' 15.000" W079° 17' 40.000"	4.0 W	130	10	116.7	ZBV FAA 051542-33	
ESV:		Bearing [True]: 234.0° to 280.0° Bearing [Mag]: 238.0° to 284.0°				Arc Distance: Out to 84.0 NM Altitude: 5000.0 to 18000.0 ft		
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ESV:		Bearing [True]: 56.0° to 96.0° Bearing [Mag]: 55.0° to 95.0°				Arc Distance: Out to 116.0 NM Altitude: 9500.0 to 18000.0 ft		
5	ZBV FAA 051542-050 ZBV [IFPA]	N25° 42' 15.000" W079° 17' 40.000"	4.0 W	130	10	116.7	ZBV FAA 051542-050	
ESV:		Bearing [True]: 186.0° to 286.0° Bearing [Mag]: 190.0° to 290.0°				Arc Distance: Out to 86.0 NM Altitude: 5100.0 to 18000.0 ft		

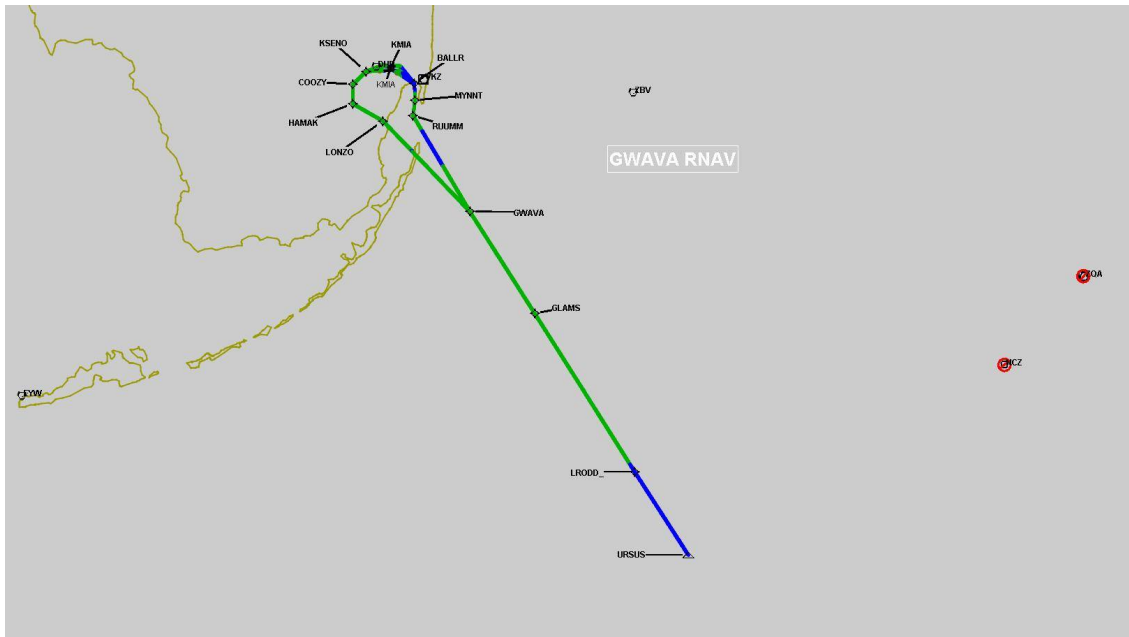
DME DME Assessment Results for GWAVA2 path KMIA:RW09:DER BALLR

DME Error



DME DME Assessment Results for GWAVA2 path KMIA:RW09:DER_BALLR

Graphic Depiction 1



DME DME Assessment Results for GWAVA2 path KMIA:RW12:DER_BALLR

Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Miles CTR Carpenter
Project File:	C:\Users\Miles CTR Carpenter\Desktop\FLMP May 2022 DME Evaluations\KMIA\KMIA GWAVA2 SID DME 20211203_0953 EST\KMIA GWAVA2 SID DME 20211203.tgs
Output File:	C:\Users\Miles CTR Carpenter\Desktop\FLMP May 2022 DME Evaluations\KMIA\KMIA [IFPA] GWAVA2 20211213_0624 EST\KMIA-RW12-DER_BALLR\KMIA GWAVA2 SID KMIA RW12 BALLR 20211213_0624 EST.pdf
Procedure Name:	GWAVA2
Software: DmeDmePlugin:	6.4.1
Date/Time:	12/13/2021 06:24 EST
Databases:	DTED MAX

Failures

No Failures

Warnings

No Warnings

Notes For Flight Check

None

Flight Plan

Name	Type	Lat/Lon	Altitude (ft)	VNAV Mode	Ground Speed (kts)	Turn Type	Leg Type
KMIA:RW12:DER	WP	N25° 47' 11.822", W080° 16' 39.081"	8.8	VNAV	130	FLY_OVER	TF
BALLR	WP	N25° 44' 14.810", W080° 11' 32.650"	1500	VNAV	200	FLY_BY	TF
Climb Gradient: 500.0 ft/NM up to 520.0 ft MSL 500.0 ft/NM up to 740.0 ft MSL 200.0 ft/NM							

Flyability

Flight Type:	SID
Selected Airport:	KMIA [IFPA]
Climb Gradient:	500.0 ft/NM up to 520.0 ft MSL 500.0 ft/NM up to 740.0 ft MSL 200.0 ft/NM
Speeds:	130 at the Runway DER
	145 at the end of the VA or VI leg
	200 Ground Speed to 11000 FT
	240 Ground Speed to 18000 FT
	260 Ground Speed to 24000 FT
	340 Ground Speed above 24000 FT
Descent During a Turn:	Allowed
VNAV Mode:	Flight Plan

DME DME Assessment Results for GWAVA2 path KMIA:RW12:DER_BALLR

DME/DME	
RNP:	RNP 2
Flight Mode:	Manual
Line of Sight (DTED Level 0 Max):	Evaluated
Inertial Drift:	Enabled
Initial Drift:	0.558 NM
INS Drift Rate:	8.0 NM/Hour
Range Mode:	OSV
RNP Edges:	Evaluated
Min DME Range:	3.0 NM
DME Types:	DME, VOR-DME, VORTAC
DME Include Angles:	30 to 150
Critical DMEs:	Not Allowed
DoD Facilities:	Not included
Foreign Facilities:	Included
High DMEs:	Included
Low DMEs:	Included
Terminal DMEs:	Included
Flight Check DMEs:	Not selected
Higher Altitudes:	Not Evaluated
Near Maximum Altitude:	Not Evaluated
Automatic ESVs:	Not enabled
Disabled DMEs:	NCZ,ZFP,ZQA,ZTC

DME/DME (Continued)										
DMEs Used										
#	Name	Lat/Lon	MAGVAR	Range	Type	Source	Critical	Status	Time	Distance
1	VKZ	N25° 45' 06.846", W080° 09' 15.996"	4.0 W	130	H	IFPA	NO	Enabled	41.2 %	38.2 %
2	FLL	N26° 04' 26.183", W080° 09' 59.192"	6.0 W	130	H	IFPA	NO	Enabled	41.2 %	38.2 %
3	DHP	N25° 47' 59.866", W080° 20' 56.526"	4.0 W	130	H	IFPA	NO	Enabled	41.2 %	38.2 %
4	NCZ	N24° 41' 58.524", W077° 46' 14.451"	5.0 W	40	L	IFPA	NO	Disabled		
5	ZFP	N26° 33' 19.250", W078° 41' 52.250"	3.0 W	130	H	IFPA	NO	Disabled		
6	ZQA	N25° 01' 31.800", W077° 26' 47.100"	6.0 W	130	H	IFPA	NO	Disabled		
7	ZTC	N26° 44' 05.000", W077° 22' 45.000"	5.0 W	130	H	IFPA	NO	Disabled		

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

Inertial Drift Segments			
#	Start Location	End Location	Length [NM]
1	N25° 47' 10.779", W080° 16' 37.040"	N25° 46' 57.208", W080° 16' 10.517"	0.4583
2	N25° 45' 48.684", W080° 14' 10.792"	N25° 44' 14.810", W080° 11' 32.650"	2.8454

Available DMEs by Waypoints		
Waypoint Before	Waypoint After	DME List
KMIA:RW12:DER	BALLR	VKZ, FLL, DHP

DME DME Assessment Results for GWAVA2 path KMIA:RW12:DER BALLR

User Data Files

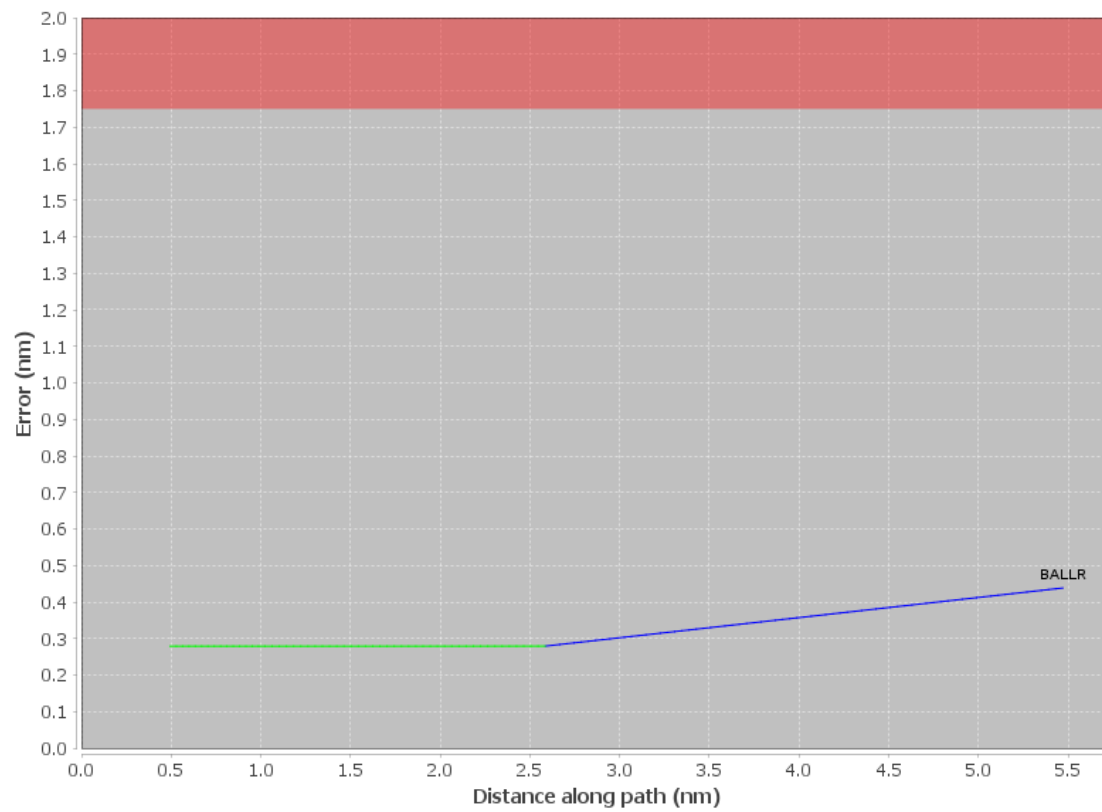
#	File Name
1	UserDMEsKMIA [IFPA] GWAVA1 SID_20210105_0918 EST.udt

User DMEs

#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	EYW FAA 701364-016 EYW [IFPA]	N24° 35' 09.162" W081° 48' 01.715"	1.0 E	130	10	113.5	EYW FAA 701364-016	
ESV:		Bearing [True]: 71.0° to 101.0° Bearing [Mag]: 70.0° to 100.0°				Arc Distance: Out to 140.0 NM Altitude: 13100.0 to 18000.0 ft		
2	ZBV FAA 051542-33 ZBV [IFPA]	N25° 42' 15.000" W079° 17' 40.000"	4.0 W	130	10	116.7	ZBV FAA 051542-33	
ESV:		Bearing [True]: 234.0° to 280.0° Bearing [Mag]: 238.0° to 284.0°				Arc Distance: Out to 84.0 NM Altitude: 5000.0 to 18000.0 ft		
3	FLL FAA 121409-017 FLL [IFPA]	N26° 04' 26.183" W080° 09' 59.192"	6.0 W	130	5.6	114.4	FLL FAA 121409-017	
ESV:		Bearing [True]: 44.0° to 184.0° Bearing [Mag]: 50.0° to 190.0°				Arc Distance: Out to 90.0 NM Altitude: 6000.0 to 15000.0 ft		
4	EYW FAA 701364-017 EYW [IFPA]	N24° 35' 09.162" W081° 48' 01.715"	1.0 E	130	10	113.5	EYW FAA 701364-017	
ESV:		Bearing [True]: 56.0° to 96.0° Bearing [Mag]: 55.0° to 95.0°				Arc Distance: Out to 116.0 NM Altitude: 9500.0 to 18000.0 ft		
5	ZBV FAA 051542-050 ZBV [IFPA]	N25° 42' 15.000" W079° 17' 40.000"	4.0 W	130	10	116.7	ZBV FAA 051542-050	
ESV:		Bearing [True]: 186.0° to 286.0° Bearing [Mag]: 190.0° to 290.0°				Arc Distance: Out to 86.0 NM Altitude: 5100.0 to 18000.0 ft		

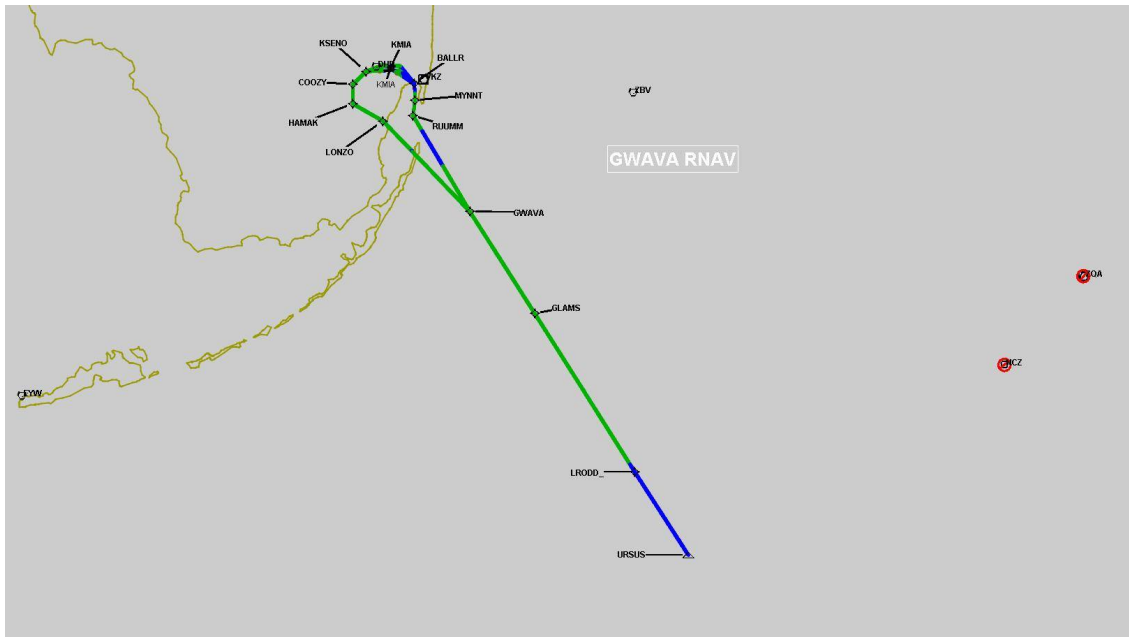
DME DME Assessment Results for GWAVA2 path KMIA:RW12:DER_BALLR

DME Error



DME DME Assessment Results for GWAVA2 path KMIA:RW12:DER_BALLR

Graphic Depiction 1



DME DME Assessment Results for GWAVA2 path KMIA:RW26L:DER_URSUS

Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Miles CTR Carpenter
Project File:	C:\Users\Miles CTR Carpenter\Desktop\FLMP May 2022 DME Evaluations\KMIA\KMIA GWAVA2 SID DME 20211203_0953 EST\KMIA GWAVA2 SID DME 20211203.tgs
Output File:	C:\Users\Miles CTR Carpenter\Desktop\FLMP May 2022 DME Evaluations\KMIA\KMIA [IFPA] GWAVA2 20211213_0624 EST\KMIA-RW26L-DER_URSUS\KMIA GWAVA2 SID KMIA RW26L URSUS 20211213_0624 EST.pdf
Procedure Name:	GWAVA2
Software: DmeDmePlugin:	6.4.1
Date/Time:	12/13/2021 06:24 EST
Databases:	DTED MAX

Failures

No Failures

Warnings

No Warnings

Notes For Flight Check

None

Flight Plan

Name	Type	Lat/Lon	Altitude (ft)	VNAV Mode	Ground Speed (kts)	Turn Type	Leg Type
KMIA:RW26L:DER	WP	N25° 48' 02.518", W080° 18' 05.159"	8.5	VNAV	130	FLY_BY	TF
KSENO	WP	N25° 46' 58.400", W080° 23' 25.680"	1000	VNAV	200	FLY_BY	TF
COOZY	WP	N25° 44' 11.040", W080° 26' 38.540"	1800	VNAV	200	FLY_BY	TF
HAMAK	WP	N25° 39' 47.340", W080° 26' 37.960"	2500	VNAV	200	FLY_BY	TF
LONZO	WP	N25° 35' 59.290", W080° 19' 13.960"	4000	VNAV	200	FLY_BY	TF
GWAVA	WP	N25° 15' 59.780", W079° 57' 55.470"	7000	VNAV	200	FLY_BY	TF
GLAMS	WP	N24° 53' 24.600", W079° 41' 56.560"	12000	VNAV	240	FLY_BY	TF
LRODD_	WP	N24° 18' 20.560", W079° 17' 20.270"	18000	VNAV	240	FLY_BY	TF
URSUS	WP	N24° 00' 00.190", W079° 04' 11.280"	18000	VNAV	240	FLY_BY	TF

Climb Gradient:
500.0 ft/NM up to 520.0 ft MSL
200.0 ft/NM

Flyability

Flight Type:	SID
Selected Airport:	KMIA [IFPA]
Climb Gradient:	500.0 ft/NM up to 520.0 ft MSL 200.0 ft/NM
Speeds:	130 at the Runway DER
	145 at the end of the VA or VI leg
	200 Ground Speed to 11000 FT
	240 Ground Speed to 18000 FT
	260 Ground Speed to 24000 FT
	340 Ground Speed above 24000 FT
Descent During a Turn:	Allowed
VNAV Mode:	Flight Plan

DME DME Assessment Results for GWAVA2 path KMIA:RW26L:DER_URSUS

DME/DME	
RNP:	RNP 2
Flight Mode:	Manual
Line of Sight (DTED Level 0 Max):	Evaluated
Inertial Drift:	Enabled
Initial Drift:	0.558 NM
INS Drift Rate:	8.0 NM/Hour
Range Mode:	OSV
RNP Edges:	Evaluated
Min DME Range:	3.0 NM
DME Types:	DME, VOR-DME, VORTAC
DME Include Angles:	30 to 150
Critical DMEs:	Not Allowed
DoD Facilities:	Not included
Foreign Facilities:	Included
High DMEs:	Included
Low DMEs:	Included
Terminal DMEs:	Included
Flight Check DMEs:	Not selected
Higher Altitudes:	Not Evaluated
Near Maximum Altitude:	Not Evaluated
Automatic ESVs:	Not enabled
Disabled DMEs:	NCZ,ZFP,ZQA,ZTC

DME/DME (Continued)										
DMEs Used										
#	Name	Lat/Lon	MAGVAR	Range	Type	Source	Critical	Status	Time	Distance
1	EYW	N24° 35' 09.162", W081° 48' 01.715"	1.0 E	130	H	IFPA	NO	Enabled	23.6 %	25.8 %
2	VKZ	N25° 45' 06.846", W080° 09' 15.996"	4.0 W	130	H	IFPA	NO	Enabled	58.5 %	56.2 %
3	ZBV	N25° 42' 15.000", W079° 17' 40.000"	4.0 W	130	H	IFPA	NO	Enabled	60 %	60.9 %
4	FLL	N26° 04' 26.183", W080° 09' 59.192"	6.0 W	130	H	IFPA	NO	Enabled	55.9 %	54 %
5	DHP	N25° 47' 59.866", W080° 20' 56.526"	4.0 W	130	H	IFPA	NO	Enabled	39.6 %	38.9 %
6	NCZ	N24° 41' 58.524", W077° 46' 14.451"	5.0 W	40	L	IFPA	NO	Disabled		
7	ZFP	N26° 33' 19.250", W078° 41' 52.250"	3.0 W	130	H	IFPA	NO	Disabled		
8	ZQA	N25° 01' 31.800", W077° 26' 47.100"	6.0 W	130	H	IFPA	NO	Disabled		
9	ZTC	N26° 44' 05.000", W077° 22' 45.000"	5.0 W	130	H	IFPA	NO	Disabled		

DME DME Assessment Results for GWAVA2 path KMIA:RW26L:DER_URSUS

Flight Check DME Selection

Distance [NM]	Selected DMEs					Alternate
0.0						
0.5	VKZ	FLL				
13.4	VKZ	FLL	DHP			
16.1	VKZ	DHP				
30.0						
30.3	ZBV	DHP	FLL	VKZ		
33.1	ZBV	DHP	VKZ			
39.6	ZBV	DHP	VKZ	FLL		
50.4	ZBV	VKZ	FLL			
57.2	FLL	ZBV				
61.3	FLL	ZBV	EYW			
65.4	FLL	ZBV				
83.2	EYW	FLL	ZBV			
89.6	EYW	ZBV				
93.0	EYW	ZBV	DHP	FLL		
93.1	EYW	ZBV	VKZ	DHP	FLL	
99.8	EYW	ZBV	VKZ	DHP		
110.5	EYW	ZBV	VKZ			
115.0						

Inertial Drift Segments

#	Start Location	End Location	Length [NM]
1	N25° 48' 02.421", W080° 18' 07.502"	N25° 48' 01.255", W080° 18' 35.614"	0.4233
2	N25° 29' 30.994", W080° 12' 18.958"	N25° 29' 19.004", W080° 12' 06.161"	0.2774
3	N24° 20' 05.354", W079° 18' 33.407"	N24° 00' 00.190", W079° 04' 11.280"	23.9518

Available DMEs by Waypoints

Waypoint Before	Waypoint After	DME List
KMIA:RW26L:DER	KSENO	VKZ, FLL
KSENO	COOZY	VKZ, FLL
COOZY	HAMAK	VKZ, FLL
HAMAK	LONZO	VKZ, FLL, DHP
LONZO	GWAVA	VKZ, FLL, DHP, ZBV
GWAVA	GLAMS	EYW, VKZ, FLL, DHP, ZBV
GLAMS	LRODD_	EYW, VKZ, FLL, DHP, ZBV
LRODD_	URSUS	

DME DME Assessment Results for GWAVA2 path KMIA:RW26L:DER_URSUS

User Data Files

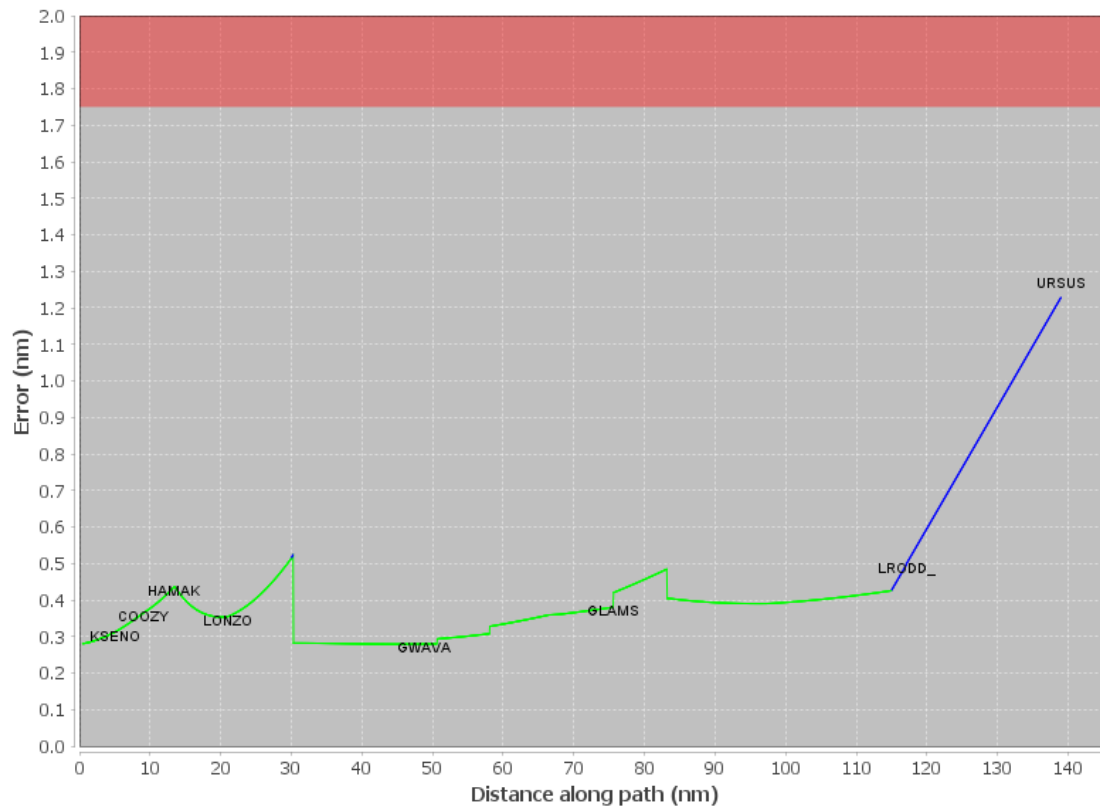
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1	UserDMEsKMIA [IFPA] GWAVA1 SID_20210105_0918 EST.udt

User DMEs

#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	EYW FAA 701364-016 EYW [IFPA]	N24° 35' 09.162", W081° 48' 01.715"	1.0 E	130	10	113.5	EYW FAA 701364-016	
ESV:		Bearing [True]: 71.0° to 101.0° Bearing [Mag]: 70.0° to 100.0°				Arc Distance: Out to 140.0 NM Altitude: 13100.0 to 18000.0 ft		
2	ZBV FAA 051542-33 ZBV [IFPA]	N25° 42' 15.000", W079° 17' 40.000"	4.0 W	130	10	116.7	ZBV FAA 051542-33	
ESV:		Bearing [True]: 234.0° to 280.0° Bearing [Mag]: 238.0° to 284.0°				Arc Distance: Out to 84.0 NM Altitude: 5000.0 to 18000.0 ft		
3	FLL FAA 121409-017 FLL [IFPA]	N26° 04' 26.183", W080° 09' 59.192"	6.0 W	130	5.6	114.4	FLL FAA 121409-017	
ESV:		Bearing [True]: 44.0° to 184.0° Bearing [Mag]: 50.0° to 190.0°				Arc Distance: Out to 90.0 NM Altitude: 6000.0 to 15000.0 ft		
4	EYW FAA 701364-017 EYW [IFPA]	N24° 35' 09.162", W081° 48' 01.715"	1.0 E	130	10	113.5	EYW FAA 701364-017	
ESV:		Bearing [True]: 56.0° to 96.0° Bearing [Mag]: 55.0° to 95.0°				Arc Distance: Out to 116.0 NM Altitude: 9500.0 to 18000.0 ft		
5	ZBV FAA 051542-050 ZBV [IFPA]	N25° 42' 15.000", W079° 17' 40.000"	4.0 W	130	10	116.7	ZBV FAA 051542-050	
ESV:		Bearing [True]: 186.0° to 286.0° Bearing [Mag]: 190.0° to 290.0°				Arc Distance: Out to 86.0 NM Altitude: 5100.0 to 18000.0 ft		

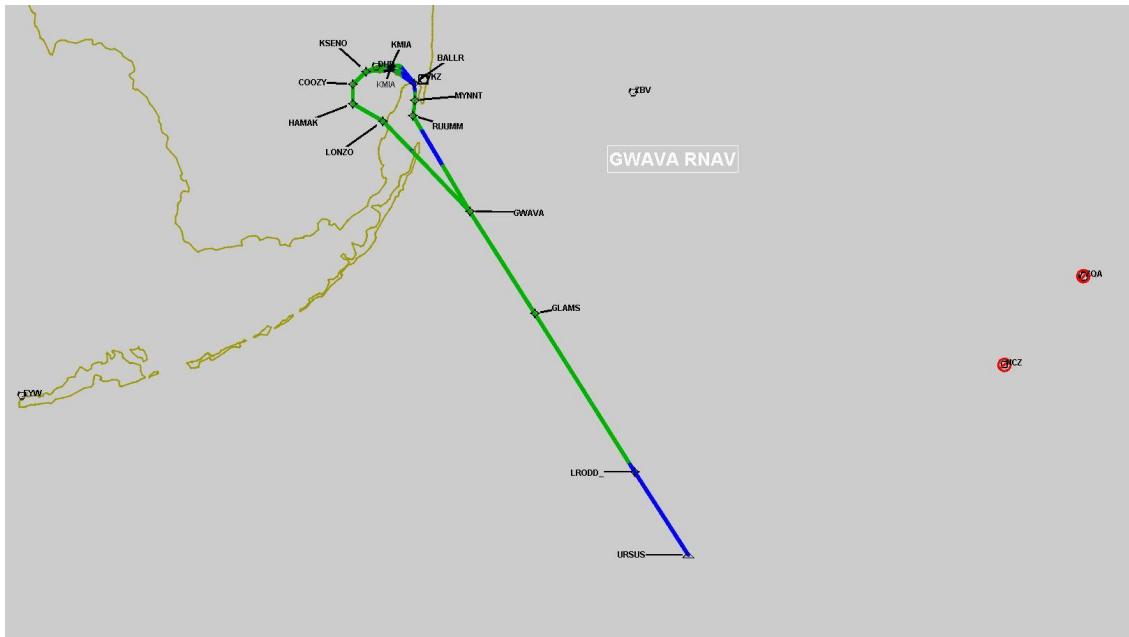
DME DME Assessment Results for GWAVA2 path KMIA:RW26L:DER_URSUS

DME Error



DME DME Assessment Results for GWAVA2 path KMIA:RW26L:DER_URSUS

Graphic Depiction 1



DME DME Assessment Results for GWAVA2 path KMIA:RW26R:DER_KSENO

Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Miles CTR Carpenter
Project File:	C:\Users\Miles CTR Carpenter\Desktop\FLMP May 2022 DME Evaluations\KMIA\KMIA GWAVA2 SID DME 20211203_0953 EST\KMIA GWAVA2 SID DME 20211203.tgs
Output File:	C:\Users\Miles CTR Carpenter\Desktop\FLMP May 2022 DME Evaluations\KMIA\KMIA [IFPA] GWAVA2 20211213_0624 EST\KMIA-RW26R-DER_KSENO\KMIA GWAVA2 SID KMIA RW26R KSENO 20211213_0624 EST.pdf
Procedure Name:	GWAVA2
Software: DmeDmePlugin:	6.4.1
Date/Time:	12/13/2021 06:24 EST
Databases:	DTED MAX

Failures

No Failures

Warnings

No Warnings

Notes For Flight Check

None

Flight Plan

Name	Type	Lat/Lon	Altitude (ft)	VNAV Mode	Ground Speed (kts)	Turn Type	Leg Type
KMIA:RW26R:DER	WP	N25° 48' 10.432", W080° 18' 05.551"	8.9	VNAV	130	FLY_BY	TF
KSENO	WP	N25° 46' 58.400", W080° 23' 25.680"	1000	VNAV	200	FLY_BY	TF
Climb Gradient: 500.0 ft/NM up to 520.0 ft MSL 200.0 ft/NM							

Flyability

Flight Type:	SID
Selected Airport:	KMIA [IFPA]
Climb Gradient:	500.0 ft/NM up to 520.0 ft MSL 200.0 ft/NM
Speeds:	130 at the Runway DER
	145 at the end of the VA or VI leg
	200 Ground Speed to 11000 FT
	240 Ground Speed to 18000 FT
	260 Ground Speed to 24000 FT
	340 Ground Speed above 24000 FT
Descent During a Turn:	Allowed
VNAV Mode:	Flight Plan

DME DME Assessment Results for GWAVA2 path KMIA:RW26R:DER_KSENO

DME/DME	
RNP:	RNP 2
Flight Mode:	Manual
Line of Sight (DTED Level 0 Max):	Evaluated
Inertial Drift:	Enabled
Initial Drift:	0.558 NM
INS Drift Rate:	8.0 NM/Hour
Range Mode:	OSV
RNP Edges:	Evaluated
Min DME Range:	3.0 NM
DME Types:	DME, VOR-DME, VORTAC
DME Include Angles:	30 to 150
Critical DMEs:	Not Allowed
DoD Facilities:	Not included
Foreign Facilities:	Included
High DMEs:	Included
Low DMEs:	Included
Terminal DMEs:	Included
Flight Check DMEs:	Not selected
Higher Altitudes:	Not Evaluated
Near Maximum Altitude:	Not Evaluated
Automatic ESVs:	Not enabled
Disabled DMEs:	NCZ,ZFP,ZQA,ZTC

DME/DME (Continued)										
DMEs Used										
#	Name	Lat/Lon	MAGVAR	Range	Type	Source	Critical	Status	Time	Distance
1	VKZ	N25° 45' 06.846", W080° 09' 15.996"	4.0 W	130	H	IFPA	NO	Enabled	89.1 %	90.8 %
2	FLL	N26° 04' 26.183", W080° 09' 59.192"	6.0 W	130	H	IFPA	NO	Enabled	89.1 %	90.8 %
3	NCZ	N24° 41' 58.524", W077° 46' 14.451"	5.0 W	40	L	IFPA	NO	Disabled		
4	ZFP	N26° 33' 19.250", W078° 41' 52.250"	3.0 W	130	H	IFPA	NO	Disabled		
5	ZQA	N25° 01' 31.800", W077° 26' 47.100"	6.0 W	130	H	IFPA	NO	Disabled		
6	ZTC	N26° 44' 05.000", W077° 22' 45.000"	5.0 W	130	H	IFPA	NO	Disabled		

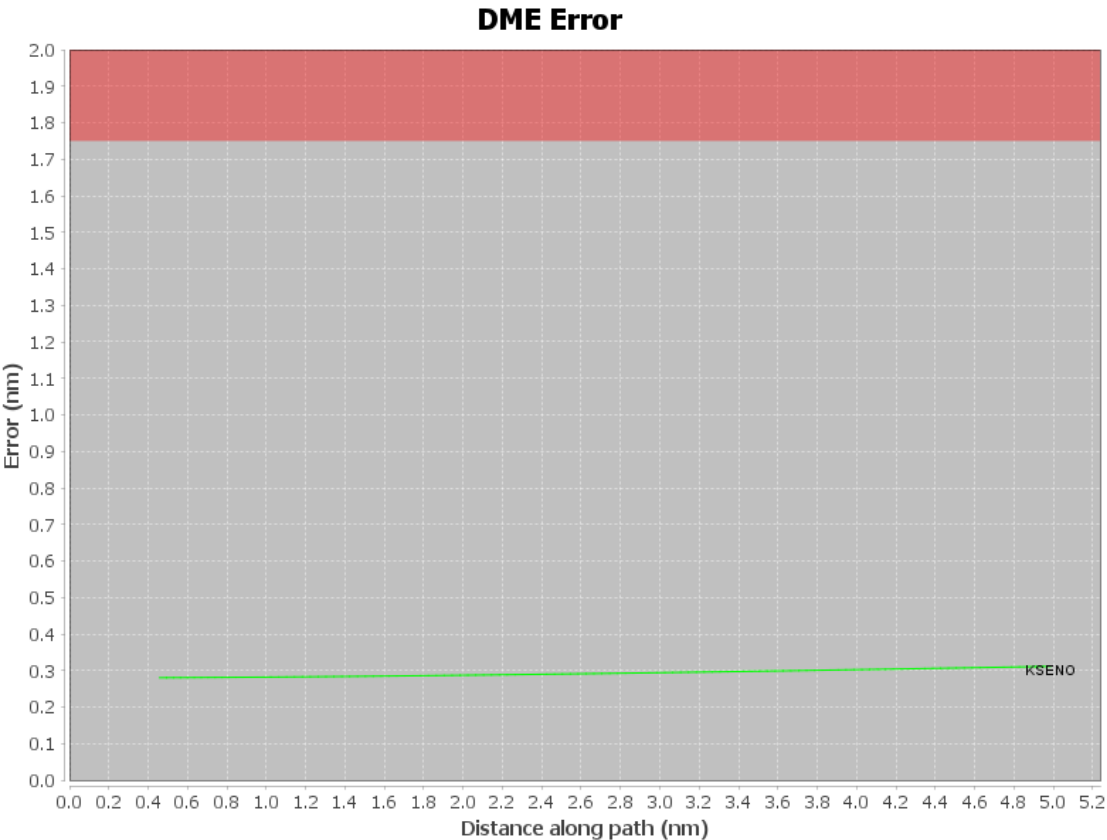
Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0						
0.5	VKZ	FLL				

Inertial Drift Segments			
#	Start Location	End Location	Length [NM]
1	N25° 48' 10.335", W080° 18' 07.892"	N25° 48' 09.171", W080° 18' 35.983"	0.423

Available DMEs by Waypoints		
Waypoint Before	Waypoint After	DME List
KMIA:RW26R:DER	KSENO	VKZ, FLL

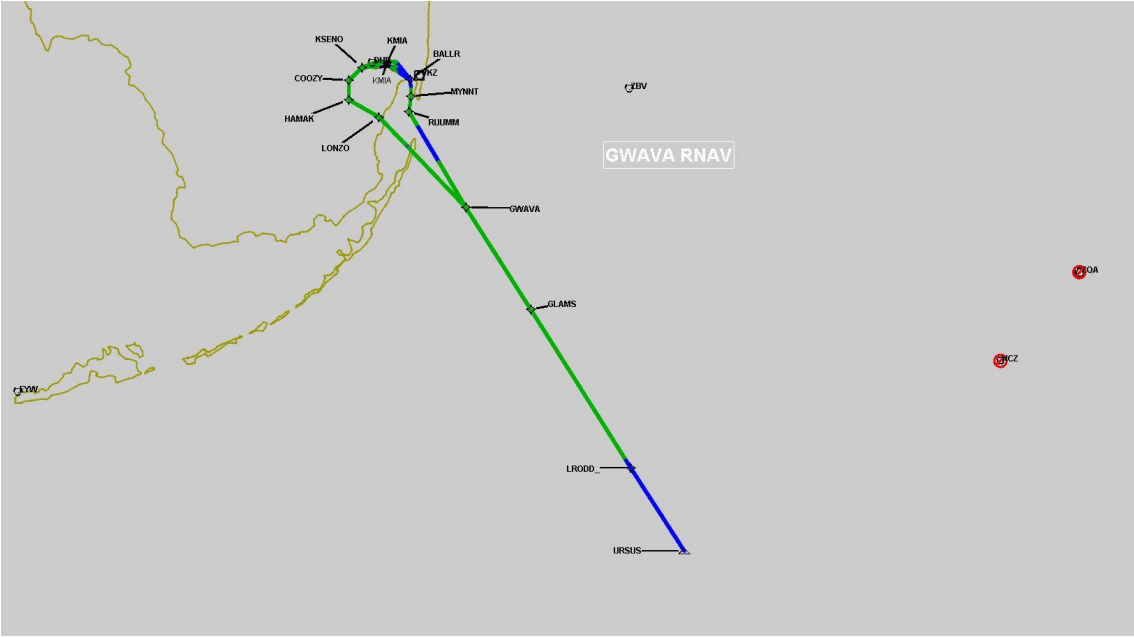
DME DME Assessment Results for GWAVA2 path KMIA:RW26R:DER_KSENO

User Data Files								
#	File Name							
1	UserDMEsKMIA [IFPA] GWAVA1 SID_20210105_0918 EST.udt							
User DMEs								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	EYW FAA 701364-016 EYW [IFPA]	N24° 35' 09.162", W081° 48' 01.715"	1.0 E	130	10	113.5	EYW FAA 701364-016	
ESV:		Bearing [True]: 71.0° to 101.0° Bearing [Mag]: 70.0° to 100.0°				Arc Distance: Out to 140.0 NM Altitude: 13100.0 to 18000.0 ft		
2	ZBV FAA 051542-33 ZBV [IFPA]	N25° 42' 15.000", W079° 17' 40.000"	4.0 W	130	10	116.7	ZBV FAA 051542-33	
ESV:		Bearing [True]: 234.0° to 280.0° Bearing [Mag]: 238.0° to 284.0°				Arc Distance: Out to 84.0 NM Altitude: 5000.0 to 18000.0 ft		
3	FLL FAA 121409-017 FLL [IFPA]	N26° 04' 26.183", W080° 09' 59.192"	6.0 W	130	5.6	114.4	FLL FAA 121409-017	
ESV:		Bearing [True]: 44.0° to 184.0° Bearing [Mag]: 50.0° to 190.0°				Arc Distance: Out to 90.0 NM Altitude: 6000.0 to 15000.0 ft		
4	EYW FAA 701364-017 EYW [IFPA]	N24° 35' 09.162", W081° 48' 01.715"	1.0 E	130	10	113.5	EYW FAA 701364-017	
ESV:		Bearing [True]: 56.0° to 96.0° Bearing [Mag]: 55.0° to 95.0°				Arc Distance: Out to 116.0 NM Altitude: 9500.0 to 18000.0 ft		
5	ZBV FAA 051542-050 ZBV [IFPA]	N25° 42' 15.000", W079° 17' 40.000"	4.0 W	130	10	116.7	ZBV FAA 051542-050	
ESV:		Bearing [True]: 186.0° to 286.0° Bearing [Mag]: 190.0° to 290.0°				Arc Distance: Out to 86.0 NM Altitude: 5100.0 to 18000.0 ft		



DME DME Assessment Results for GWAVA2 path KMIA:RW26R:DER_KSENO

Graphic Depiction 1



DME DME Assessment Results for GWAVA2 path KMIA:RW27:DER_KSENO

Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Miles CTR Carpenter
Project File:	C:\Users\Miles CTR Carpenter\Desktop\FLMP May 2022 DME Evaluations\KMIA\KMIA GWAVA2 SID DME 20211203_0953 EST\KMIA GWAVA2 SID DME 20211203.tgs
Output File:	C:\Users\Miles CTR Carpenter\Desktop\FLMP May 2022 DME Evaluations\KMIA\KMIA [IFPA] GWAVA2 20211213_0624 EST\KMIA-RW27-DER_KSENO\KMIA GWAVA2 SID KMIA RW27 KSENO 20211213_0624 EST.pdf
Procedure Name:	GWAVA2
Software: DmeDmePlugin:	6.4.1
Date/Time:	12/13/2021 06:24 EST
Databases:	DTED MAX

Failures

No Failures

Warnings

No Warnings

Notes For Flight Check

None

Flight Plan

Name	Type	Lat/Lon	Altitude (ft)	VNAV Mode	Ground Speed (kts)	Turn Type	Leg Type
KMIA:RW27:DER	WP	N25° 47' 09.942", W080° 18' 53.417"	8	VNAV	130	FLY_OVER	TF
KSENO	WP	N25° 46' 58.400", W080° 23' 25.680"	1000	VNAV	200	FLY_BY	TF
Climb Gradient: 500.0 ft/NM up to 520.0 ft MSL 200.0 ft/NM							

Flyability

Flight Type:	SID
Selected Airport:	KMIA [IFPA]
Climb Gradient:	500.0 ft/NM up to 520.0 ft MSL 200.0 ft/NM
Speeds:	130 at the Runway DER
	145 at the end of the VA or VI leg
	200 Ground Speed to 11000 FT
	240 Ground Speed to 18000 FT
	260 Ground Speed to 24000 FT
	340 Ground Speed above 24000 FT
Descent During a Turn:	Allowed
VNAV Mode:	Flight Plan

DME DME Assessment Results for GWAVA2 path KMIA:RW27:DER_KSENO

DME/DME	
RNP:	RNP 2
Flight Mode:	Manual
Line of Sight (DTED Level 0 Max):	Evaluated
Inertial Drift:	Enabled
Initial Drift:	0.558 NM
INS Drift Rate:	8.0 NM/Hour
Range Mode:	OSV
RNP Edges:	Evaluated
Min DME Range:	3.0 NM
DME Types:	DME, VOR-DME, VORTAC
DME Include Angles:	30 to 150
Critical DMEs:	Not Allowed
DoD Facilities:	Not included
Foreign Facilities:	Included
High DMEs:	Included
Low DMEs:	Included
Terminal DMEs:	Included
Flight Check DMEs:	Not selected
Higher Altitudes:	Not Evaluated
Near Maximum Altitude:	Not Evaluated
Automatic ESVs:	Not enabled
Disabled DMEs:	NCZ,ZFP,ZQA,ZTC

DME/DME (Continued)										
DMEs Used										
#	Name	Lat/Lon	MAGVAR	Range	Type	Source	Critical	Status	Time	Distance
1	VKZ	N25° 45' 06.846", W080° 09' 15.996"	4.0 W	130	H	IFPA	NO	Enabled	84.4 %	87.1 %
2	FLL	N26° 04' 26.183", W080° 09' 59.192"	6.0 W	130	H	IFPA	NO	Enabled	84.4 %	87.1 %
3	NCZ	N24° 41' 58.524", W077° 46' 14.451"	5.0 W	40	L	IFPA	NO	Disabled		
4	ZFP	N26° 33' 19.250", W078° 41' 52.250"	3.0 W	130	H	IFPA	NO	Disabled		
5	ZQA	N25° 01' 31.800", W077° 26' 47.100"	6.0 W	130	H	IFPA	NO	Disabled		
6	ZTC	N26° 44' 05.000", W077° 22' 45.000"	5.0 W	130	H	IFPA	NO	Disabled		

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0						
0.5	VKZ	FLL				

Inertial Drift Segments			
#	Start Location	End Location	Length [NM]
1	N25° 47' 09.845", W080° 18' 55.762"	N25° 47' 08.478", W080° 19' 28.588"	0.4943

Available DMEs by Waypoints		
Waypoint Before	Waypoint After	DME List
KMIA:RW27:DER	KSENO	VKZ, FLL

DME DME Assessment Results for GWAVA2 path KMIA:RW27:DER_KSENO

User Data Files

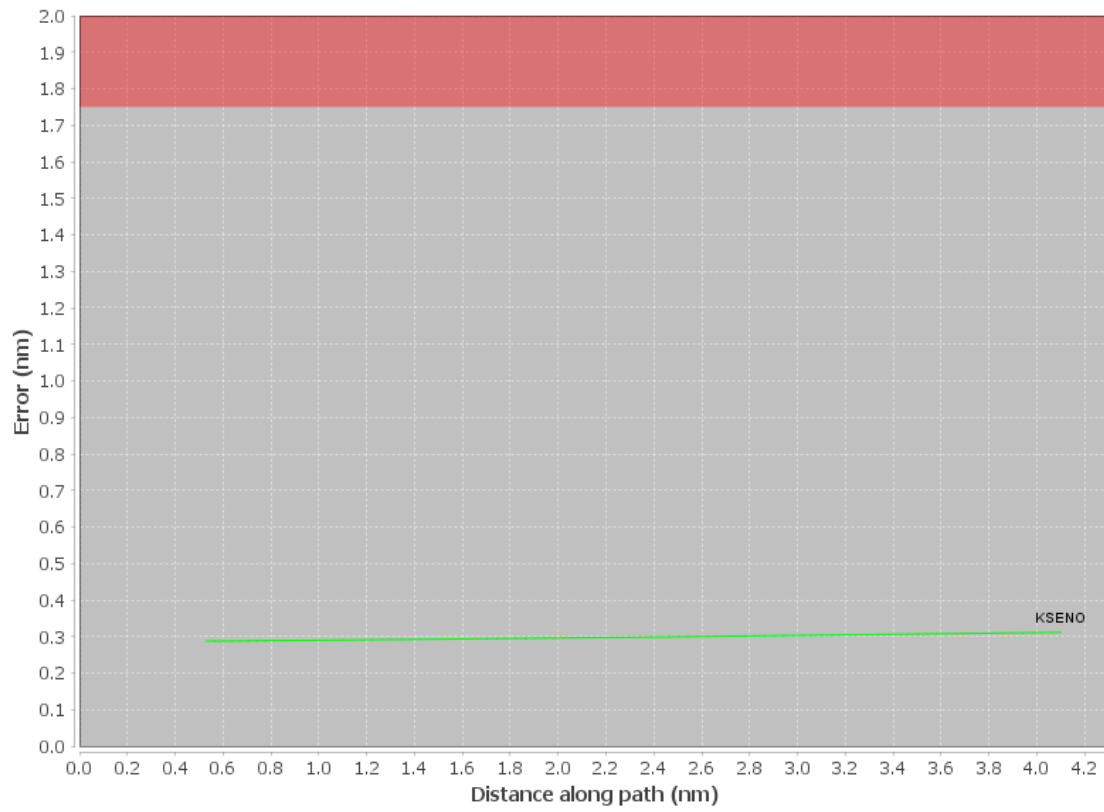
#	File Name
1	UserDMESKMIA [IFPA] GWAVA1 SID_20210105_0918 EST.udt

User DMEs

#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	EYW FAA 701364-016 EYW [IFPA]	N24° 35' 09.162" W081° 48' 01.715"	1.0 E	130	10	113.5	EYW FAA 701364-016	
ESV:		Bearing [True]: 71.0° to 101.0° Bearing [Mag]: 70.0° to 100.0°				Arc Distance: Out to 140.0 NM Altitude: 13100.0 to 18000.0 ft		
2	ZBV FAA 051542-33 ZBV [IFPA]	N25° 42' 15.000" W079° 17' 40.000"	4.0 W	130	10	116.7	ZBV FAA 051542-33	
ESV:		Bearing [True]: 234.0° to 280.0° Bearing [Mag]: 238.0° to 284.0°				Arc Distance: Out to 84.0 NM Altitude: 5000.0 to 18000.0 ft		
3	FLL FAA 121409-017 FLL [IFPA]	N26° 04' 26.183" W080° 09' 59.192"	6.0 W	130	5.6	114.4	FLL FAA 121409-017	
ESV:		Bearing [True]: 44.0° to 184.0° Bearing [Mag]: 50.0° to 190.0°				Arc Distance: Out to 90.0 NM Altitude: 6000.0 to 15000.0 ft		
4	EYW FAA 701364-017 EYW [IFPA]	N24° 35' 09.162" W081° 48' 01.715"	1.0 E	130	10	113.5	EYW FAA 701364-017	
ESV:		Bearing [True]: 56.0° to 96.0° Bearing [Mag]: 55.0° to 95.0°				Arc Distance: Out to 116.0 NM Altitude: 9500.0 to 18000.0 ft		
5	ZBV FAA 051542-050 ZBV [IFPA]	N25° 42' 15.000" W079° 17' 40.000"	4.0 W	130	10	116.7	ZBV FAA 051542-050	
ESV:		Bearing [True]: 186.0° to 286.0° Bearing [Mag]: 190.0° to 290.0°				Arc Distance: Out to 86.0 NM Altitude: 5100.0 to 18000.0 ft		

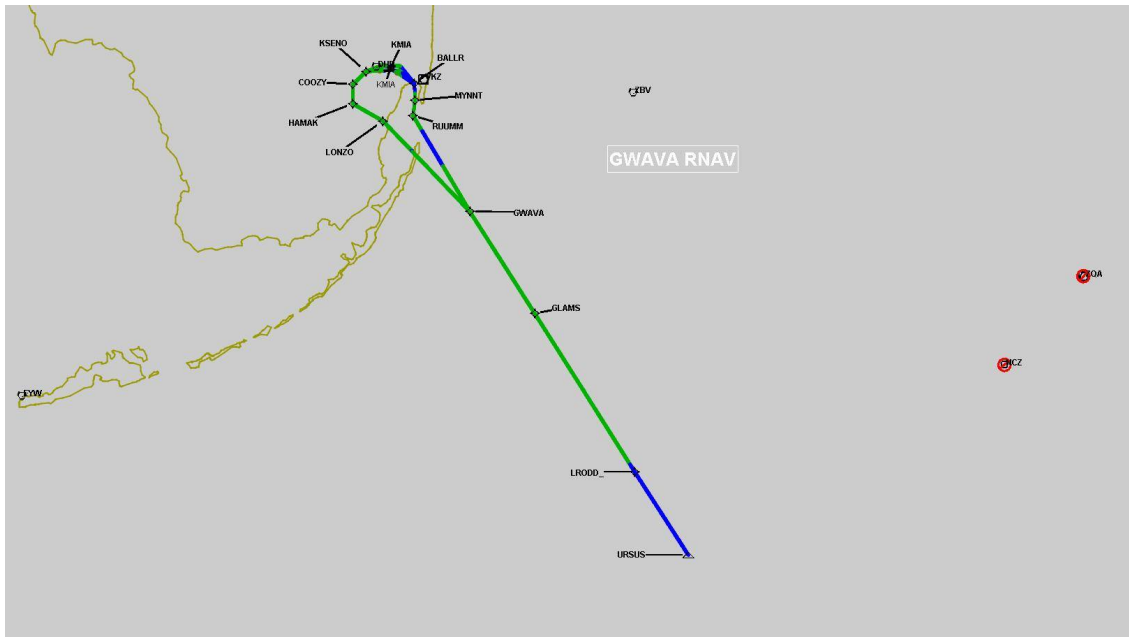
DME DME Assessment Results for GWAVA2 path KMIA:RW27:DER_KSENO

DME Error



DME DME Assessment Results for GWAVA2 path KMIA:RW27:DER_KSENO

Graphic Depiction 1



DME DME Assessment Results for GWAVA2 path KMIA:RW30:DER_KSENO

Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Miles CTR Carpenter
Project File:	C:\Users\Miles CTR Carpenter\Desktop\FLMP May 2022 DME Evaluations\KMIA\KMIA GWAVA2 SID DME 20211203_0953 EST\KMIA GWAVA2 SID DME 20211203.tgs
Output File:	C:\Users\Miles CTR Carpenter\Desktop\FLMP May 2022 DME Evaluations\KMIA\KMIA [IFPA] GWAVA2 20211213_0624 EST\KMIA-RW30-DER_KSENO\KMIA GWAVA2 SID KMIA RW30 KSENO 20211213_0624 EST.pdf
Procedure Name:	GWAVA2
Software: DmeDmePlugin:	6.4.1
Date/Time:	12/13/2021 06:24 EST
Databases:	DTED MAX

Failures

No Failures

Warnings

No Warnings

Notes For Flight Check

None

Flight Plan

Name	Type	Lat/Lon	Altitude (ft)	VNAV Mode	Ground Speed (kts)	Turn Type	Leg Type
KMIA:RW30:DER	WP	N25° 47' 57.426", W080° 18' 08.244"	9.1	VNAV	130	FLY_BY	TF
KSENO	WP	N25° 46' 58.400", W080° 23' 25.680"	1000	VNAV	200	FLY_BY	TF
Climb Gradient: 500.0 ft/NM up to 520.0 ft MSL 200.0 ft/NM							

Flyability

Flight Type:	SID
Selected Airport:	KMIA [IFPA]
Climb Gradient:	500.0 ft/NM up to 520.0 ft MSL 200.0 ft/NM
Speeds:	130 at the Runway DER
	145 at the end of the VA or VI leg
	200 Ground Speed to 11000 FT
	240 Ground Speed to 18000 FT
	260 Ground Speed to 24000 FT
	340 Ground Speed above 24000 FT
Descent During a Turn:	Allowed
VNAV Mode:	Flight Plan

DME DME Assessment Results for GWAVA2 path KMIA:RW30:DER_KSENO

DME/DME	
RNP:	RNP 2
Flight Mode:	Manual
Line of Sight (DTED Level 0 Max):	Evaluated
Inertial Drift:	Enabled
Initial Drift:	0.558 NM
INS Drift Rate:	8.0 NM/Hour
Range Mode:	OSV
RNP Edges:	Evaluated
Min DME Range:	3.0 NM
DME Types:	DME, VOR-DME, VORTAC
DME Include Angles:	30 to 150
Critical DMEs:	Not Allowed
DoD Facilities:	Not included
Foreign Facilities:	Included
High DMEs:	Included
Low DMEs:	Included
Terminal DMEs:	Included
Flight Check DMEs:	Not selected
Higher Altitudes:	Not Evaluated
Near Maximum Altitude:	Not Evaluated
Automatic ESVs:	Not enabled
Disabled DMEs:	NCZ,ZFP,ZQA,ZTC

DME/DME (Continued)										
DMEs Used										
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2	FLL	N26° 04' 26.183", W080° 09' 59.192"	6.0 W	130	H	IFPA	NO	Enabled	89.5 %	91.2 %
3	NCZ	N24° 41' 58.524", W077° 46' 14.451"	5.0 W	40	L	IFPA	NO	Disabled		
4	ZFP	N26° 33' 19.250", W078° 41' 52.250"	3.0 W	130	H	IFPA	NO	Disabled		
5	ZQA	N25° 01' 31.800", W077° 26' 47.100"	6.0 W	130	H	IFPA	NO	Disabled		
6	ZTC	N26° 44' 05.000", W077° 22' 45.000"	5.0 W	130	H	IFPA	NO	Disabled		

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0						
0.5	VKZ	FLL				

Inertial Drift Segments			
#	Start Location	End Location	Length [NM]
1	N25° 47' 58.469", W080° 18' 10.283"	N25° 48' 10.983", W080° 18' 34.759"	0.4228

Available DMEs by Waypoints		
Waypoint Before	Waypoint After	DME List
KMIA:RW30:DER	KSENO	VKZ, FLL

DME DME Assessment Results for GWAVA2 path KMIA:RW30:DER_KSENO

User Data Files

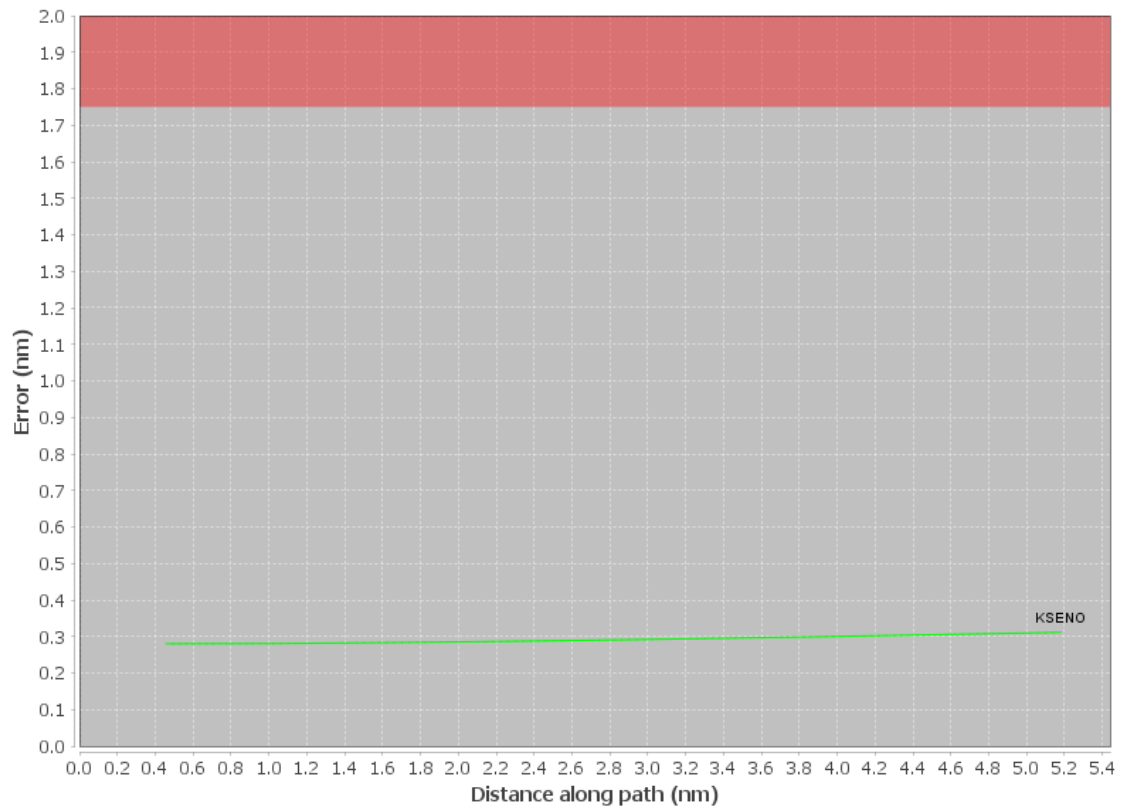
#	File Name
1	UserDMEsKMIA [IFPA] GWAVA1 SID_20210105_0918 EST.udt

User DMEs

#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
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ESV:		Bearing [True]: 71.0° to 101.0° Bearing [Mag]: 70.0° to 100.0°				Arc Distance: Out to 140.0 NM Altitude: 13100.0 to 18000.0 ft		
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ESV:		Bearing [True]: 56.0° to 96.0° Bearing [Mag]: 55.0° to 95.0°				Arc Distance: Out to 116.0 NM Altitude: 9500.0 to 18000.0 ft		
5	ZBV FAA 051542-050 ZBV [IFPA]	N25° 42' 15.000", W079° 17' 40.000"	4.0 W	130	10	116.7	ZBV FAA 051542-050	
ESV:		Bearing [True]: 186.0° to 286.0° Bearing [Mag]: 190.0° to 290.0°				Arc Distance: Out to 86.0 NM Altitude: 5100.0 to 18000.0 ft		

DME DME Assessment Results for GWAVA2 path KMIA:RW30:DER_KSENO

DME Error



DME DME Assessment Results for GWAVA2 path KMIA:RW30:DER_KSENO

Graphic Depiction 1

