

## DME DME Assessment Results for BELLR5 path COLLT\_BELLR

### Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Jose G-CTR Medina
Project File:	S:\530View\BUBBA\KHOH_KIAH_20230810 CD\DME SCREENS 20230118\BELLR\BELLR DME CD20230810 20230118.tgs
Output File:	S:\530View\BUBBA\KHOH_KIAH_20230810 CD\DME SCREENS 20230118\BELLR\KHOH [IFPA] BELLR5 20230119_0951 CST\COLLT_BELLR\KHOH BELLR5 RNAV STAR COLLT BELLR 20230119_0951 CST.pdf
Procedure Name:	BELLR5
Software: DmeDmePlugin:	7.0.2
Date/Time:	01/19/2023 09:51 CST
Databases:	DTED Level 0 MAX

### 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
COLLT	WP	N27° 25' 47.4200", W097° 11' 52.0500"	9000	VNAV	250	FLY_BY	TF
AMMMO	WP	N28° 35' 20.0200", W096° 33' 12.3600"	9000	VNAV	250	FLY_BY	TF
BELLR	WP	N29° 19' 29.4500", W096° 05' 19.1700"	7000	VNAV	250	FLY_BY	TF

### Flyability

Flight Type:	RNAV_STAR
Selected Airport:	KHOH [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 BELLR5 path COLLT\_BELLR**

<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
DME Include Angles:	30 to 150
Critical DMEs:	Allowed
DoD Facilities:	Not included
Foreign Facilities:	Not included
High DMEs:	Included
Low DMEs:	Included
Terminal DMEs:	Included
Flight Check DMEs:	Not selected
Higher Altitudes:	Not Evaluated
Near Maximum Altitude:	Not Evaluated
Automatic ESVs:	Not enabled
Disabled DMEs:	None

<b>DME/DME (Continued)</b>										
<b>DMEs Used</b>										
#	Name	Lat/Lon	MAGVAR	Range	Type	Source	Critical	Status	Time	Distance
1	HRL	N26° 13' 45.2091", W097° 39' 08.1525"	5.0 E	40	L	IFPA	NO	Enabled	9 %	9 %
2	VCT	N28° 54' 01.1460", W096° 58' 44.1649"	6.0 E	40	L	IFPA	NO	Enabled	75.1 %	75.1 %
3	IDU	N29° 57' 21.8070", W096° 33' 43.8990"	8.0 E	40	L	IFPA	NO	Enabled	27.7 %	27.7 %
4	ELA	N29° 39' 44.9259", W096° 19' 01.6411"	0.0 E	130	H	IFPA	NO	Enabled	45.2 %	45.2 %
5	VUH	N29° 16' 09.6039", W094° 52' 03.8108"	6.0 E	130	DH	IFPA	NO	Enabled	41.2 %	41.2 %
6	THX	N28° 30' 17.9901", W098° 09' 01.6803"	8.0 E	40	L	IFPA	NO	Enabled	63.1 %	63.1 %
7	TNV	N30° 17' 18.6954", W096° 03' 29.6635"	8.0 E	130	H	IFPA	NO	Enabled	6.8 %	6.8 %
8	CRP	N27° 54' 13.5573", W097° 26' 41.5728"	9.0 E	130	H	IFPA	NO	Enabled	37.6 %	37.6 %
9	PSX	N28° 45' 51.9062", W096° 18' 22.2472"	8.0 E	130	H	IFPA	NO	Enabled	96.2 %	96.2 %

**DME DME Assessment Results for BELLR5 path COLLT\_BELLR**

<b>Flight Check DME Selection</b>						
<b>Distance [NM]</b>	<b>Selected DMEs</b>					<b>Alternate</b>
0.0	THX	PSX	HRL	CRP		
11.5	PSX	CRP	THX			
28.0	VCT	CRP	THX	PSX		
43.0	VCT	CRP	THX	PSX	ELA	
48.1	THX	PSX	VCT	ELA		
68.7	PSX	VCT	THX	ELA	VUH	
80.0	PSX	VCT	ELA	THX		
80.6	PSX	VCT	ELA			
80.9	PSX	VCT				
85.4						
86.3	VUH	VCT				
89.5	IDU	PSX	VCT	VUH		
94.1	IDU	VCT	VUH			
94.8	IDU	VCT	VUH	PSX		
107.9	IDU	VCT	ELA	VUH	PSX	
124.9	VUH	PSX	ELA			

<b>Inertial Drift Segments</b>			
<b>#</b>	<b>Start Location</b>	<b>End Location</b>	<b>Length [NM]</b>
1	N28° 42' 23.7503", W096° 28' 46.5991"	N28° 43' 11.2279", W096° 28' 16.7785"	0.9021

<b>Available DMEs by Waypoints</b>			
<b>Waypoint Before</b>	<b>Waypoint After</b>	<b>DME List</b>	<b>Suggested DMEs</b>
COLLT	AMMMO	CRP, HRL, PSX, THX, VCT, VUH, ELA	
AMMMO	BELLR	PSX, THX, VCT, VUH, ELA, IDU, TNV	

**DME DME Assessment Results for BELLR5 path COLLT\_BELLR**

**User Data Files**

#	File Name
1	UserDMEsKHOU [IFPA] BELLR5 RNAV STAR_20230104_0702 CST.udt

**User DMEs**

#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	HRL FAA 211663-001 HRL [IFPA]	N26° 13' 45.2091", W097° 39' 08.1525"	5.0 E	40	32.4	113.65	HRL FAA 211663-001	
ESV:		Bearing [True]: 3.0° to 16.0° Bearing [Mag]: 358.0° to 11.0°				Arc Distance: Out to 126.0 NM Altitude: 10900.0 to 18100.0 ft		
2	HRL FAA 211663-002 HRL [IFPA]	N26° 13' 45.2091", W097° 39' 08.1525"	5.0 E	40	32.4	113.65	HRL FAA 211663-002	
ESV:		Bearing [True]: 14.0° to 24.0° Bearing [Mag]: 9.0° to 19.0°				Arc Distance: Out to 88.0 NM Altitude: 8900.0 to 18100.0 ft		
3	CWK FAA 970907-33 CWK [IFPA]	N30° 22' 42.7800", W097° 31' 47.4500"	6.0 E	130	593.2	112.8	CWK FAA 970907-33	
ESV:		Bearing [True]: 130.0° to 232.0° Bearing [Mag]: 124.0° to 226.0°				Arc Distance: Out to 69.0 NM Altitude: 7000.0 to 16000.0 ft		
4	THX FAA 772882-41 THX [IFPA]	N28° 30' 17.9901", W098° 09' 01.6803"	8.0 E	40	266.3	111.4	THX FAA 772882-41	
ESV:		Bearing [True]: 61.0° to 144.0° Bearing [Mag]: 53.0° to 136.0°				Arc Distance: Out to 90.0 NM Altitude: 7400.0 to 20000.0 ft		
5	TNV FAA 774965-25 TNV [IFPA]	N30° 17' 18.6954", W096° 03' 29.6635"	8.0 E	130	247.4	115.9	TNV FAA 774965-25	
ESV:		Bearing [True]: 155.0° to 205.0° Bearing [Mag]: 147.0° to 197.0°				Arc Distance: Out to 70.0 NM Altitude: 4000.0 to 15000.0 ft		
6	ELA FAA 870288-42 ELA [IFPA]	N29° 39' 44.9259", W096° 19' 01.6411"	0.0 E	130	191.9	null	ELA FAA 870288-42	
ESV:		Bearing [True]: 257.0° to 273.0° Bearing [Mag]: 257.0° to 273.0°				Arc Distance: Out to 100.0 NM Altitude: 8000.0 to 16000.0 ft		
7	ELA FAA 870288-43 ELA [IFPA]	N29° 39' 44.9259", W096° 19' 01.6411"	0.0 E	130	191.9	null	ELA FAA 870288-43	
ESV:		Bearing [True]: 109.0° to 211.0° Bearing [Mag]: 109.0° to 211.0°				Arc Distance: Out to 100.0 NM Altitude: 7200.0 to 20000.0 ft		
8	IDU FAA 694297-37 IDU [IFPA]	N29° 57' 21.8070", W096° 33' 43.8990"	8.0 E	40	419	110.2	IDU FAA 694297-37	
ESV:		Bearing [True]: 146.0° to 202.0° Bearing [Mag]: 138.0° to 194.0°				Arc Distance: Out to 74.0 NM Altitude: 7000.0 to 20000.0 ft		
9	PSX FAA 704268-40 PSX [IFPA]	N28° 45' 51.9062", W096° 18' 22.2472"	8.0 E	130	15.7	117.3	PSX FAA 704268-40	
ESV:		Bearing [True]: 23.0° to 46.0° Bearing [Mag]: 15.0° to 38.0°				Arc Distance: Out to 67.0 NM Altitude: 4000.0 to 16000.0 ft		
10	VCT FAA 981797-31 VCT [IFPA]	N28° 54' 01.1460", W096° 58' 44.1649"	6.0 E	40	124.6	109.0	VCT FAA 981797-31	
ESV:		Bearing [True]: 55.0° to 191.0° Bearing [Mag]: 49.0° to 185.0°				Arc Distance: Out to 65.0 NM Altitude: 4000.0 to 20000.0 ft		
11	TNV FAA 774965-57 TNV [IFPA]	N30° 17' 18.6954", W096° 03' 29.6635"	8.0 E	130	247.4	115.9	TNV FAA 774965-57	
ESV:		Bearing [True]: 219.0° to 261.0° Bearing [Mag]: 211.0° to 253.0°				Arc Distance: Out to 90.0 NM Altitude: 7000.0 to 16000.0 ft		
12	CSI FAA 766740-20 CSI [IFPA]	N29° 55' 20.4761", W099° 12' 52.1485"	8.0 E	130	2079.3	117.5	CSI FAA 766740-20	
ESV:		Bearing [True]: 68.0° to 127.0° Bearing [Mag]: 60.0° to 119.0°				Arc Distance: Out to 62.0 NM Altitude: 6000.0 to 18000.0 ft		
13	PSX FAA 704268-37 PSX [IFPA]	N28° 45' 51.9062", W096° 18' 22.2472"	8.0 E	130	15.7	117.3	PSX FAA 704268-37	
ESV:		Bearing [True]: 207.0° to 28.0° Bearing [Mag]: 199.0° to 20.0°				Arc Distance: Out to 100.0 NM Altitude: 7000.0 to 20000.0 ft		

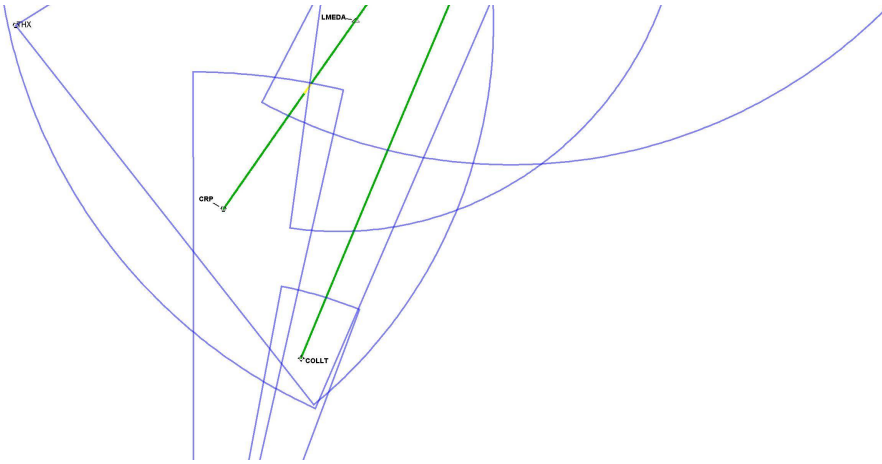
# DME DME Assessment Results for BELLR5 path COLLT\_BELLR

## DME Error



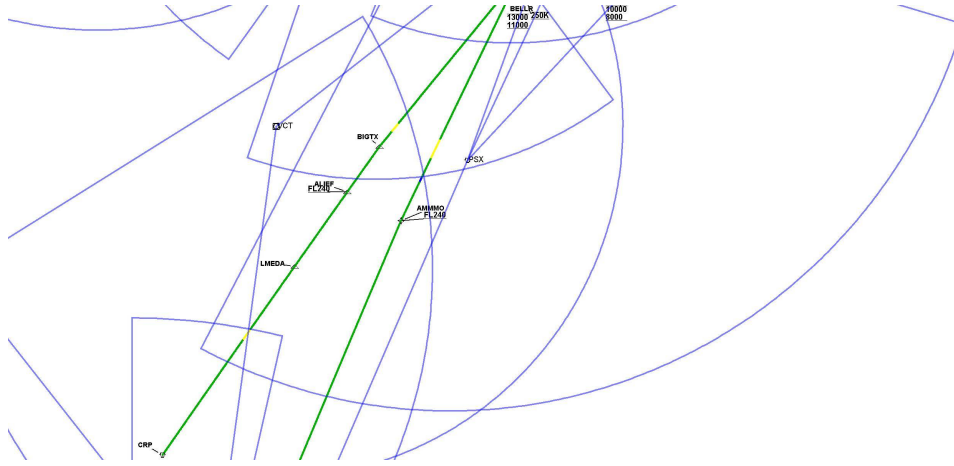
# DME DME Assessment Results for BELLR5 path COLLT\_BELLR

Graphic Depiction 1



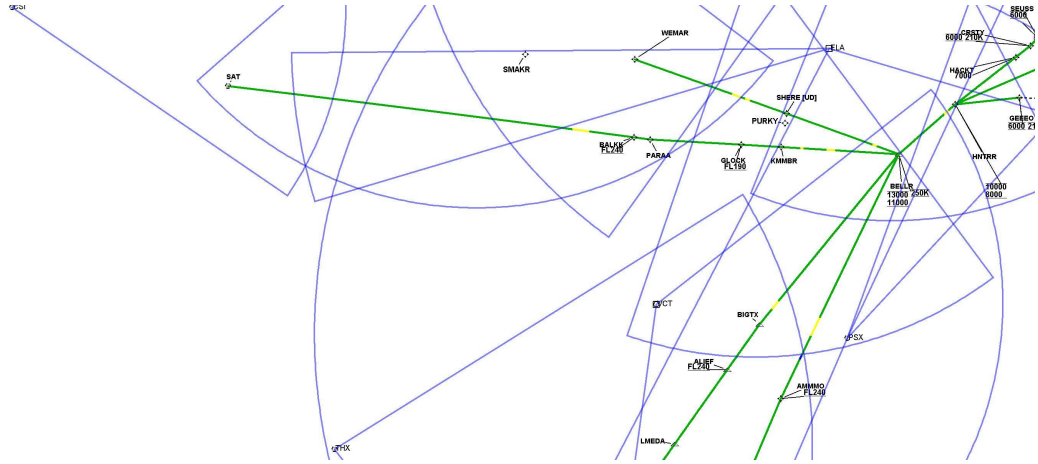
# DME DME Assessment Results for BELLR5 path COLLT\_BELLR

Graphic Depiction 2



## DME DME Assessment Results for BELLR5 path COLLT\_BELLR

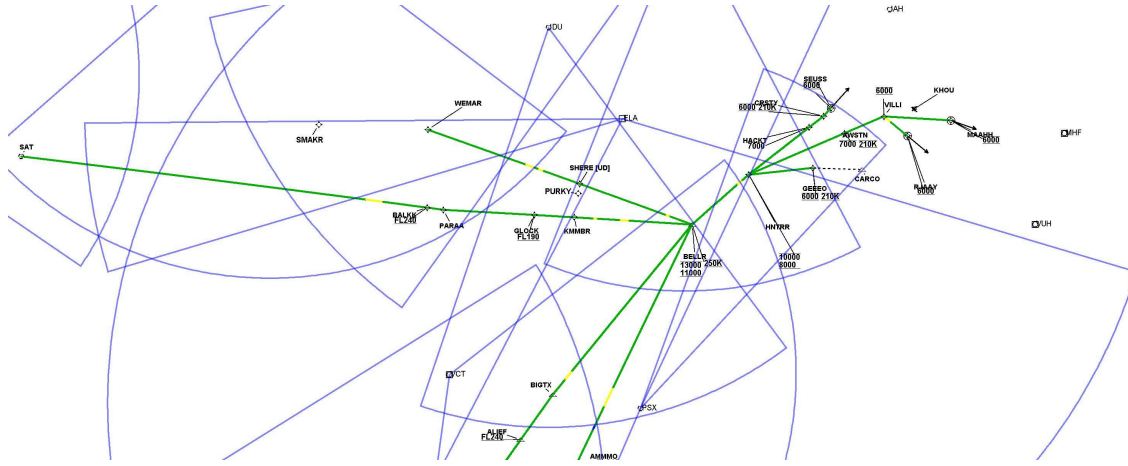
Graphic Depiction 3





# DME DME Assessment Results for BELLR5 path COLLT\_BELLR

Graphic Depiction 4



## DME DME Assessment Results for BELLR5 path CRP\_BELLR

### Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Jose G-CTR Medina
Project File:	S:\530View\BUBBA\KHOH_KIAH_20230810 CD\DME SCREENS 20230118\BELLR\BELLR DME CD20230810 20230118.tgs
Output File:	S:\530View\BUBBA\KHOH_KIAH_20230810 CD\DME SCREENS 20230118\BELLR\KHOH [IFPA] BELLR5 20230119_0951 CST\CRP_BELLR\KHOH BELLR5 RNAV STAR CRP BELLR 20230119_0951 CST.pdf
Procedure Name:	BELLR5
Software: DmeDmePlugin:	7.0.2
Date/Time:	01/19/2023 09:51 CST
Databases:	DTED Level 0 MAX

### 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
CRP	WP	N27° 54' 13.5573", W097° 26' 41.5728"	11000	VNAV	250	FLY_BY	TF
LMEDA	WP	N28° 27' 56.7400", W096° 56' 22.0900"	11000	VNAV	250	FLY_BY	TF
ALIEF	WP	N28° 41' 13.7400", W096° 44' 18.3200"	9000	VNAV	250	FLY_BY	TF
BIGTX	WP	N28° 49' 17.8200", W096° 36' 56.4800"	8000	VNAV	250	FLY_BY	TF
BELLR	WP	N29° 19' 29.4500", W096° 05' 19.1700"	7000	VNAV	250	FLY_BY	TF

### Flyability

Flight Type:	RNAV_STAR
Selected Airport:	KHOH [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 BELLR5 path CRP\_BELLR**

<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
DME Include Angles:	30 to 150
Critical DMEs:	Allowed
DoD Facilities:	Not included
Foreign Facilities:	Not included
High DMEs:	Included
Low DMEs:	Included
Terminal DMEs:	Included
Flight Check DMEs:	Not selected
Higher Altitudes:	Not Evaluated
Near Maximum Altitude:	Not Evaluated
Automatic ESVs:	Not enabled
Disabled DMEs:	None

<b>DME/DME (Continued)</b>										
<b>DMEs Used</b>										
#	Name	Lat/Lon	MAGVAR	Range	Type	Source	Critical	Status	Time	Distance
1	HRL	N26° 13' 45.2091", W097° 39' 08.1525"	5.0 E	40	L	IFPA	NO	Enabled	25.4 %	25.4 %
2	VCT	N28° 54' 01.1460", W096° 58' 44.1649"	6.0 E	40	L	IFPA	NO	Enabled	73.6 %	73.6 %
3	IDU	N29° 57' 21.8070", W096° 33' 43.8990"	8.0 E	40	L	IFPA	NO	Enabled	31.9 %	31.9 %
4	ELA	N29° 39' 44.9259", W096° 19' 01.6411"	0.0 E	130	H	IFPA	NO	Enabled	65.3 %	65.3 %
5	VUH	N29° 16' 09.6039", W094° 52' 03.8108"	6.0 E	130	DH	IFPA	NO	Enabled	37.2 %	37.2 %
6	THX	N28° 30' 17.9901", W098° 09' 01.6803"	8.0 E	40	L	IFPA	NO	Enabled	64.3 %	64.3 %
7	TNV	N30° 17' 18.6954", W096° 03' 29.6635"	8.0 E	130	H	IFPA	NO	Enabled	8.4 %	8.4 %
8	CRP	N27° 54' 13.5573", W097° 26' 41.5728"	9.0 E	130	H	IFPA	NO	Enabled	33 %	33 %
9	PSX	N28° 45' 51.9062", W096° 18' 22.2472"	8.0 E	130	H	IFPA	NO	Enabled	100 %	100 %

**DME DME Assessment Results for BELLR5 path CRP\_BELLR**

<b>Flight Check DME Selection</b>						
<b>Distance [NM]</b>	<b>Selected DMEs</b>					<b>Alternate</b>
0.0	THX	PSX	HRL			
3.1	THX	CRP	PSX	HRL		
22.3	THX	CRP	PSX	ELA	HRL	
28.3	THX	VCT	CRP	ELA	PSX	
39.8	THX	VCT	PSX	ELA		
59.5	ELA	VCT	PSX	THX	VUH	
60.2	ELA	VCT	PSX	THX		
66.0	ELA	VCT	IDU	PSX	THX	
71.6	ELA	PSX	VCT	IDU		
72.0	IDU	VCT	PSX			
74.1	IDU	VCT	PSX	VUH		
88.2	PSX	VCT	ELA	VUH		
94.9	IDU	VCT	ELA	VUH	PSX	
108.2	VUH	PSX	ELA			

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

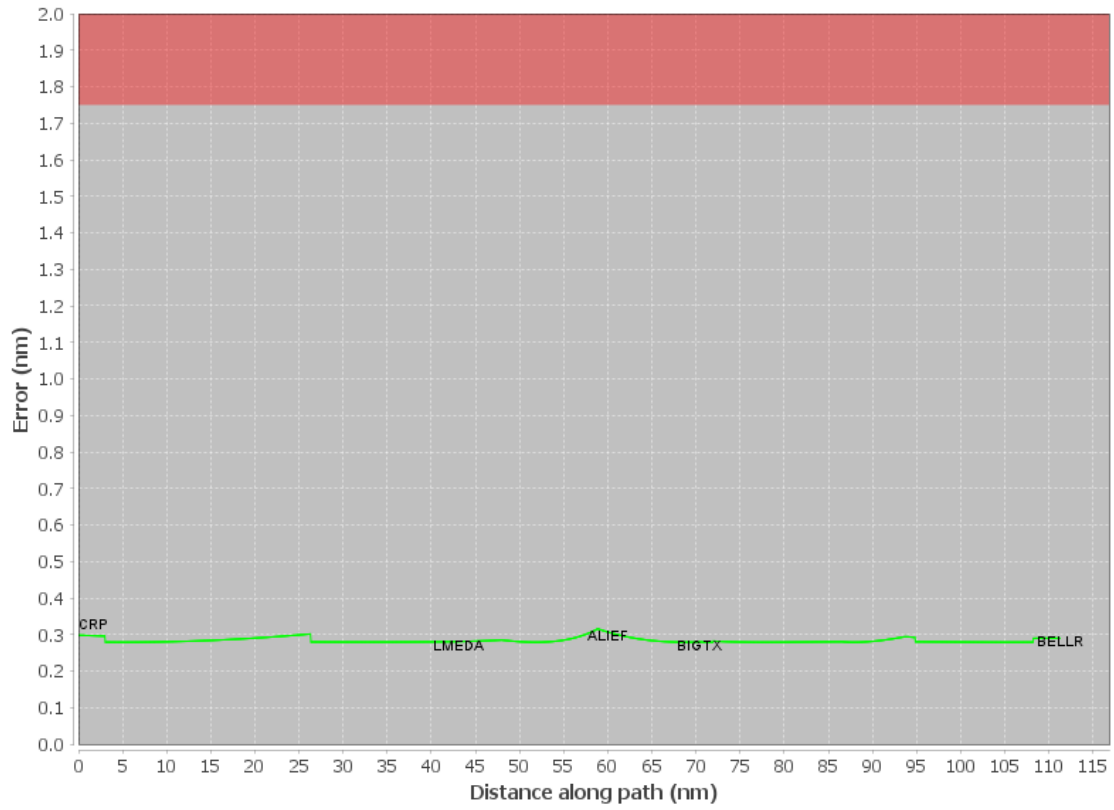
<b>Available DMEs by Waypoints</b>			
<b>Waypoint Before</b>	<b>Waypoint After</b>	<b>DME List</b>	<b>Suggested DMEs</b>
CRP	LMEDA	CRP, HRL, PSX, THX, VCT, ELA	
LMEDA	ALIEF	PSX, THX, VCT, VUH, ELA	
ALIEF	BIGTX	PSX, THX, VCT, VUH, ELA, IDU	
BIGTX	BELLR	PSX, THX, VCT, VUH, ELA, IDU, TNV	

**DME DME Assessment Results for BELLR5 path CRP\_BELLR**

<b>User Data Files</b>								
#	File Name							
1	UserDMEsKHOU [IFPA] BELLR5 RNAV STAR_20230104_0702 CST.udt							
<b>User DMEs</b>								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	HRL FAA 211663-001 HRL [IFPA]	N26° 13' 45.2091", W097° 39' 08.1525"	5.0 E	40	32.4	113.65	HRL FAA 211663-001	
ESV:		Bearing [True]: 3.0° to 16.0° Bearing [Mag]: 358.0° to 11.0°				Arc Distance: Out to 126.0 NM Altitude: 10900.0 to 18100.0 ft		
2	HRL FAA 211663-002 HRL [IFPA]	N26° 13' 45.2091", W097° 39' 08.1525"	5.0 E	40	32.4	113.65	HRL FAA 211663-002	
ESV:		Bearing [True]: 14.0° to 24.0° Bearing [Mag]: 9.0° to 19.0°				Arc Distance: Out to 88.0 NM Altitude: 8900.0 to 18100.0 ft		
3	CWK FAA 970907-33 CWK [IFPA]	N30° 22' 42.7800", W097° 31' 47.4500"	6.0 E	130	593.2	112.8	CWK FAA 970907-33	
ESV:		Bearing [True]: 130.0° to 232.0° Bearing [Mag]: 124.0° to 226.0°				Arc Distance: Out to 69.0 NM Altitude: 7000.0 to 16000.0 ft		
4	THX FAA 772882-41 THX [IFPA]	N28° 30' 17.9901", W098° 09' 01.6803"	8.0 E	40	266.3	111.4	THX FAA 772882-41	
ESV:		Bearing [True]: 61.0° to 144.0° Bearing [Mag]: 53.0° to 136.0°				Arc Distance: Out to 90.0 NM Altitude: 7400.0 to 20000.0 ft		
5	TNV FAA 774965-25 TNV [IFPA]	N30° 17' 18.6954", W096° 03' 29.6635"	8.0 E	130	247.4	115.9	TNV FAA 774965-25	
ESV:		Bearing [True]: 155.0° to 205.0° Bearing [Mag]: 147.0° to 197.0°				Arc Distance: Out to 70.0 NM Altitude: 4000.0 to 15000.0 ft		
6	ELA FAA 870288-42 ELA [IFPA]	N29° 39' 44.9259", W096° 19' 01.6411"	0.0 E	130	191.9	null	ELA FAA 870288-42	
ESV:		Bearing [True]: 257.0° to 273.0° Bearing [Mag]: 257.0° to 273.0°				Arc Distance: Out to 100.0 NM Altitude: 8000.0 to 16000.0 ft		
7	ELA FAA 870288-43 ELA [IFPA]	N29° 39' 44.9259", W096° 19' 01.6411"	0.0 E	130	191.9	null	ELA FAA 870288-43	
ESV:		Bearing [True]: 109.0° to 211.0° Bearing [Mag]: 109.0° to 211.0°				Arc Distance: Out to 100.0 NM Altitude: 7200.0 to 20000.0 ft		
8	IDU FAA 694297-37 IDU [IFPA]	N29° 57' 21.8070", W096° 33' 43.8990"	8.0 E	40	419	110.2	IDU FAA 694297-37	
ESV:		Bearing [True]: 146.0° to 202.0° Bearing [Mag]: 138.0° to 194.0°				Arc Distance: Out to 74.0 NM Altitude: 7000.0 to 20000.0 ft		
9	PSX FAA 704268-40 PSX [IFPA]	N28° 45' 51.9062", W096° 18' 22.2472"	8.0 E	130	15.7	117.3	PSX FAA 704268-40	
ESV:		Bearing [True]: 23.0° to 46.0° Bearing [Mag]: 15.0° to 38.0°				Arc Distance: Out to 67.0 NM Altitude: 4000.0 to 16000.0 ft		
10	VCT FAA 981797-31 VCT [IFPA]	N28° 54' 01.1460", W096° 58' 44.1649"	6.0 E	40	124.6	109.0	VCT FAA 981797-31	
ESV:		Bearing [True]: 55.0° to 191.0° Bearing [Mag]: 49.0° to 185.0°				Arc Distance: Out to 65.0 NM Altitude: 4000.0 to 20000.0 ft		
11	TNV FAA 774965-57 TNV [IFPA]	N30° 17' 18.6954", W096° 03' 29.6635"	8.0 E	130	247.4	115.9	TNV FAA 774965-57	
ESV:		Bearing [True]: 219.0° to 261.0° Bearing [Mag]: 211.0° to 253.0°				Arc Distance: Out to 90.0 NM Altitude: 7000.0 to 16000.0 ft		
12	CSI FAA 766740-20 CSI [IFPA]	N29° 55' 20.4761", W099° 12' 52.1485"	8.0 E	130	2079.3	117.5	CSI FAA 766740-20	
ESV:		Bearing [True]: 68.0° to 127.0° Bearing [Mag]: 60.0° to 119.0°				Arc Distance: Out to 62.0 NM Altitude: 6000.0 to 18000.0 ft		
13	PSX FAA 704268-37 PSX [IFPA]	N28° 45' 51.9062", W096° 18' 22.2472"	8.0 E	130	15.7	117.3	PSX FAA 704268-37	
ESV:		Bearing [True]: 207.0° to 28.0° Bearing [Mag]: 199.0° to 20.0°				Arc Distance: Out to 100.0 NM Altitude: 7000.0 to 20000.0 ft		

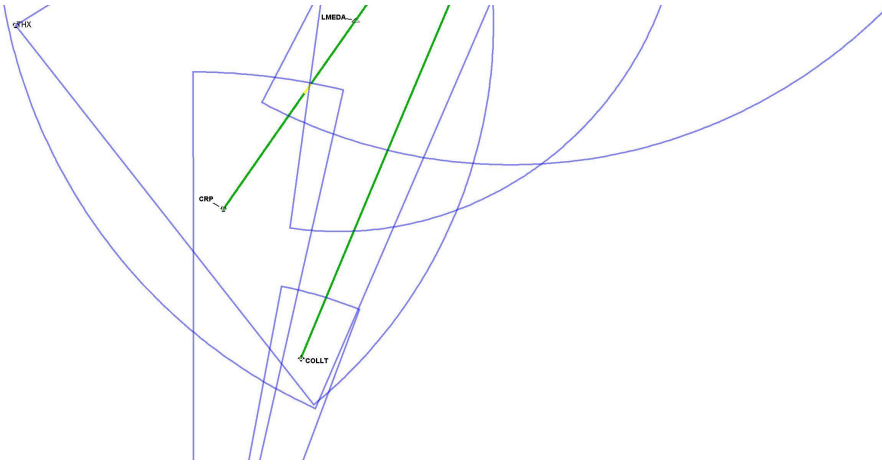
# DME DME Assessment Results for BELLR5 path CRP\_BELLR

## DME Error



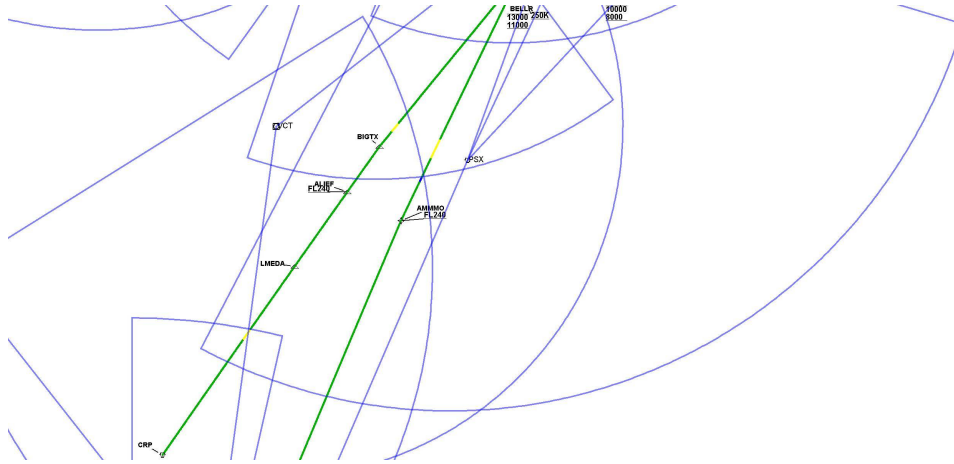
# DME DME Assessment Results for BELLR5 path CRP\_BELLR

Graphic Depiction 1



# DME DME Assessment Results for BELLR5 path CRP\_BELLR

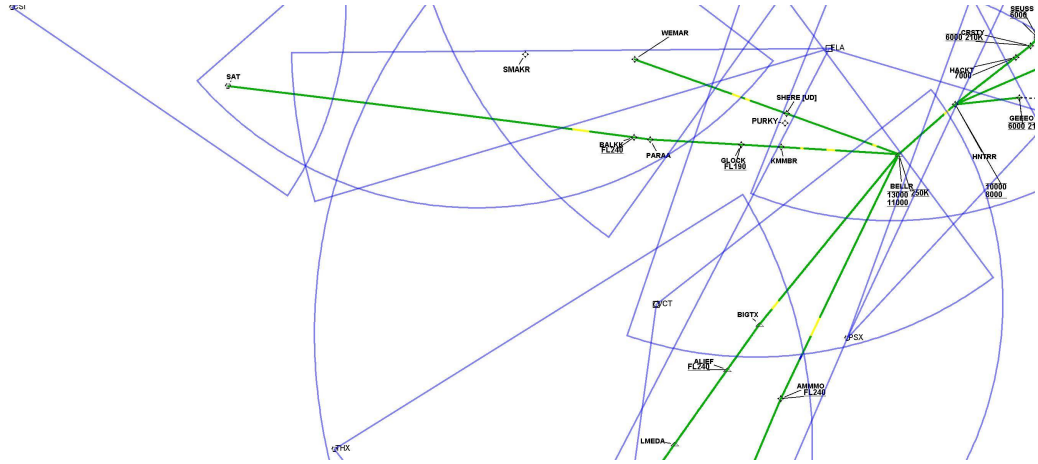
Graphic Depiction 2





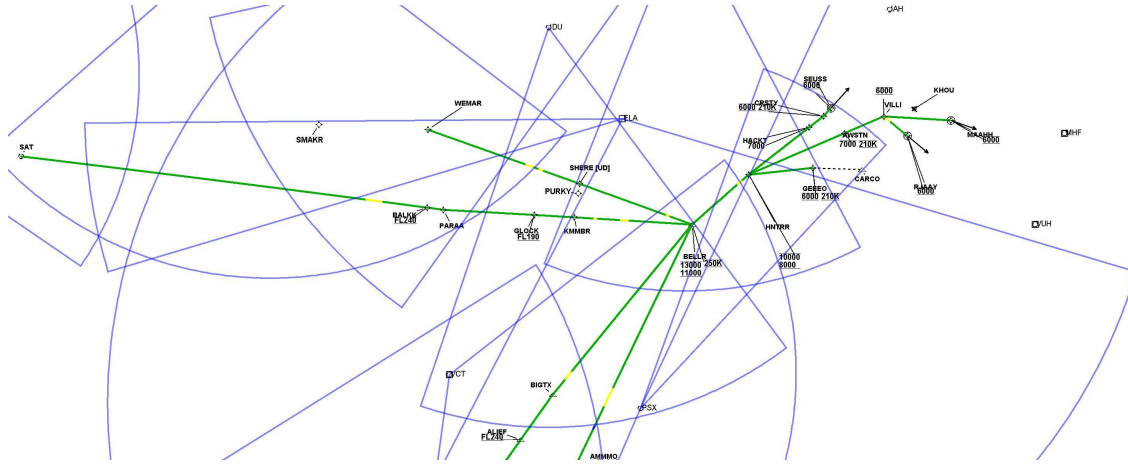
# DME DME Assessment Results for BELLR5 path CRP\_BELLR

Graphic Depiction 3



# DME DME Assessment Results for BELLR5 path CRP\_BELLR

Graphic Depiction 4



## DME DME Assessment Results for BELLR5 path HNTRR\_GEEEO

### Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Jose G-CTR Medina
Project File:	S:\530View\BUBBA\KHOU_KIAH_20230810 CD\DME SCREENS 20230118\BELLR\BELLR DME CD20230810_20230118.tgs
Output File:	S:\530View\BUBBA\KHOU_KIAH_20230810 CD\DME SCREENS 20230118\BELLR\KHOU [IFPA] BELLR5 20230119_0951 CST\HNTRR_GEEEO\KHOU BELLR5 RNAV STAR HNTRR GEEEO 20230119_0951 CST.pdf
Procedure Name:	BELLR5
Software: DmeDmePlugin:	7.0.2
Date/Time:	01/19/2023 09:51 CST
Databases:	DTED Level 0 MAX

### 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
HNTRR	WP	N29° 28' 10.2200", W095° 52' 42.4100"	6000	VNAV	250	FLY_BY	TF
GEEEO	WP	N29° 28' 49.2300", W095° 38' 56.3000"	6000	VNAV	210	FLY_BY	TF

### Flyability

Flight Type:	RNAV_STAR
Selected Airport:	KHOU [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 BELLR5 path HNTRR\_GEEEO

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:	Allowed
DoD Facilities:	Not included
Foreign Facilities:	Not included
High DMEs:	Included
Low DMEs:	Included
Terminal DMEs:	Included
Flight Check DMEs:	Not selected
Higher Altitudes:	Not Evaluated
Near Maximum Altitude:	Not Evaluated
Automatic ESVs:	Not enabled
Disabled DMEs:	None

DME/DME (Continued)										
DMEs Used										
#	Name	Lat/Lon	MAGVAR	Range	Type	Source	Critical	Status	Time	Distance
1	ELA	N29° 39' 44.9259", W096° 19' 01.6411"	0.0 E	130	H	IFPA	NO	Enabled	100 %	100 %
2	VUH	N29° 16' 09.6039", W094° 52' 03.8108"	6.0 E	130	DH	IFPA	NO	Enabled	100 %	100 %
3	TNV	N30° 17' 18.6954", W096° 03' 29.6635"	8.0 E	130	H	IFPA	NO	Enabled	95.4 %	95.4 %
4	IAH	N29° 57' 24.9013", W095° 20' 44.5885"	5.0 E	130	H	IFPA	NO	Enabled	58.6 %	58.6 %
5	PSX	N28° 45' 51.9062", W096° 18' 22.2472"	8.0 E	130	H	IFPA	NO	Enabled	100 %	100 %

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	PSX	ELA	VUH	TNV		
5.0	PSX	ELA	IAH	VUH	TNV	
11.6	ELA	IAH	VUH	PSX		

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

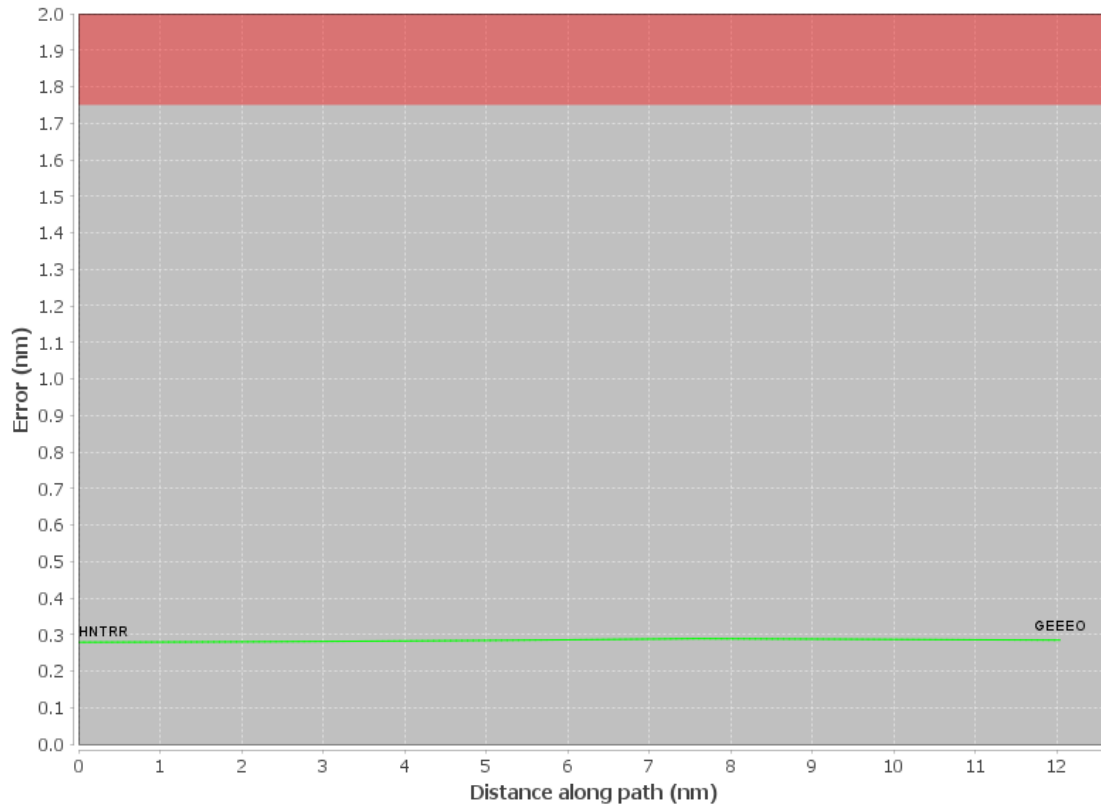
Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
HNTRR	GEEEO	IAH, PSX, VUH, ELA, TNV	

**DME DME Assessment Results for BELLR5 path HNTRR\_GEEEO**

<b>User Data Files</b>								
#	File Name							
1	UserDMEsKHOU [IFPA] BELLR5 RNAV STAR_20230104_0702 CST.udt							
<b>User DMEs</b>								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	HRL FAA 211663-001 HRL [IFPA]	N26° 13' 45.2091", W097° 39' 08.1525"	5.0 E	40	32.4	113.65	HRL FAA 211663-001	
	ESV:	Bearing [True]: 3.0° to 16.0° Bearing [Mag]: 358.0° to 11.0°				Arc Distance: Out to 126.0 NM Altitude: 10900.0 to 18100.0 ft		
2	HRL FAA 211663-002 HRL [IFPA]	N26° 13' 45.2091", W097° 39' 08.1525"	5.0 E	40	32.4	113.65	HRL FAA 211663-002	
	ESV:	Bearing [True]: 14.0° to 24.0° Bearing [Mag]: 9.0° to 19.0°				Arc Distance: Out to 88.0 NM Altitude: 8900.0 to 18100.0 ft		
3	CWK FAA 970907-33 CWK [IFPA]	N30° 22' 42.7800", W097° 31' 47.4500"	6.0 E	130	593.2	112.8	CWK FAA 970907-33	
	ESV:	Bearing [True]: 130.0° to 232.0° Bearing [Mag]: 124.0° to 226.0°				Arc Distance: Out to 69.0 NM Altitude: 7000.0 to 16000.0 ft		
4	THX FAA 772882-41 THX [IFPA]	N28° 30' 17.9901", W098° 09' 01.6803"	8.0 E	40	266.3	111.4	THX FAA 772882-41	
	ESV:	Bearing [True]: 61.0° to 144.0° Bearing [Mag]: 53.0° to 136.0°				Arc Distance: Out to 90.0 NM Altitude: 7400.0 to 20000.0 ft		
5	TNV FAA 774965-25 TNV [IFPA]	N30° 17' 18.6954", W096° 03' 29.6635"	8.0 E	130	247.4	115.9	TNV FAA 774965-25	
	ESV:	Bearing [True]: 155.0° to 205.0° Bearing [Mag]: 147.0° to 197.0°				Arc Distance: Out to 70.0 NM Altitude: 4000.0 to 15000.0 ft		
6	ELA FAA 870288-42 ELA [IFPA]	N29° 39' 44.9259", W096° 19' 01.6411"	0.0 E	130	191.9	null	ELA FAA 870288-42	
	ESV:	Bearing [True]: 257.0° to 273.0° Bearing [Mag]: 257.0° to 273.0°				Arc Distance: Out to 100.0 NM Altitude: 8000.0 to 16000.0 ft		
7	ELA FAA 870288-43 ELA [IFPA]	N29° 39' 44.9259", W096° 19' 01.6411"	0.0 E	130	191.9	null	ELA FAA 870288-43	
	ESV:	Bearing [True]: 109.0° to 211.0° Bearing [Mag]: 109.0° to 211.0°				Arc Distance: Out to 100.0 NM Altitude: 7200.0 to 20000.0 ft		
8	IDU FAA 694297-37 IDU [IFPA]	N29° 57' 21.8070", W096° 33' 43.8990"	8.0 E	40	419	110.2	IDU FAA 694297-37	
	ESV:	Bearing [True]: 146.0° to 202.0° Bearing [Mag]: 138.0° to 194.0°				Arc Distance: Out to 74.0 NM Altitude: 7000.0 to 20000.0 ft		
9	PSX FAA 704268-40 PSX [IFPA]	N28° 45' 51.9062", W096° 18' 22.2472"	8.0 E	130	15.7	117.3	PSX FAA 704268-40	
	ESV:	Bearing [True]: 23.0° to 46.0° Bearing [Mag]: 15.0° to 38.0°				Arc Distance: Out to 67.0 NM Altitude: 4000.0 to 16000.0 ft		
10	VCT FAA 981797-31 VCT [IFPA]	N28° 54' 01.1460", W096° 58' 44.1649"	6.0 E	40	124.6	109.0	VCT FAA 981797-31	
	ESV:	Bearing [True]: 55.0° to 191.0° Bearing [Mag]: 49.0° to 185.0°				Arc Distance: Out to 65.0 NM Altitude: 4000.0 to 20000.0 ft		
11	TNV FAA 774965-57 TNV [IFPA]	N30° 17' 18.6954", W096° 03' 29.6635"	8.0 E	130	247.4	115.9	TNV FAA 774965-57	
	ESV:	Bearing [True]: 219.0° to 261.0° Bearing [Mag]: 211.0° to 253.0°				Arc Distance: Out to 90.0 NM Altitude: 7000.0 to 16000.0 ft		
12	CSI FAA 766740-20 CSI [IFPA]	N29° 55' 20.4761", W099° 12' 52.1485"	8.0 E	130	2079.3	117.5	CSI FAA 766740-20	
	ESV:	Bearing [True]: 68.0° to 127.0° Bearing [Mag]: 60.0° to 119.0°				Arc Distance: Out to 62.0 NM Altitude: 6000.0 to 18000.0 ft		
13	PSX FAA 704268-37 PSX [IFPA]	N28° 45' 51.9062", W096° 18' 22.2472"	8.0 E	130	15.7	117.3	PSX FAA 704268-37	
	ESV:	Bearing [True]: 207.0° to 28.0° Bearing [Mag]: 199.0° to 20.0°				Arc Distance: Out to 100.0 NM Altitude: 7000.0 to 20000.0 ft		

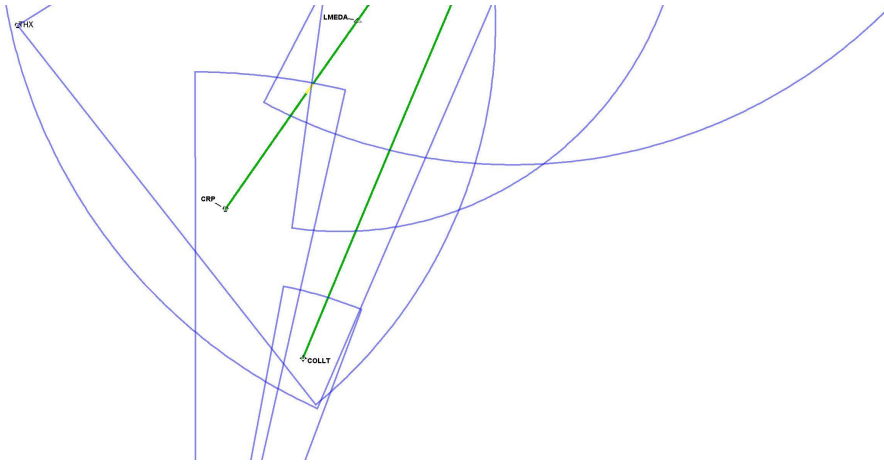
# DME DME Assessment Results for BELLR5 path HNTRR\_GEEEO

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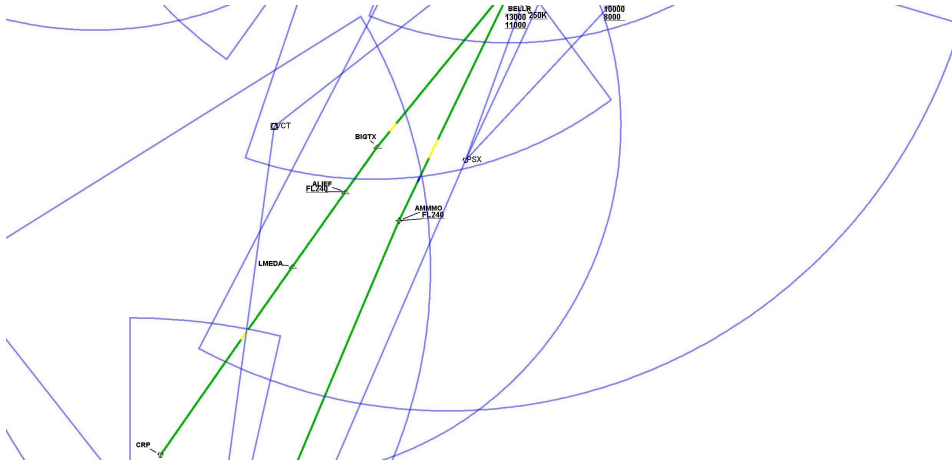
# DME DME Assessment Results for BELLR5 path HNTRR\_GEEEO

Graphic Depiction 1



# DME DME Assessment Results for BELLR5 path HNTRR\_GEEEO

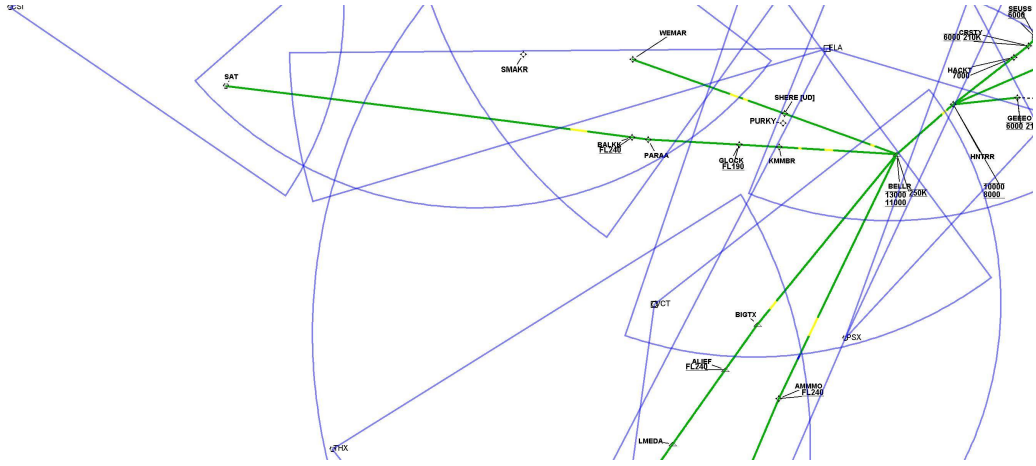
Graphic Depiction 2





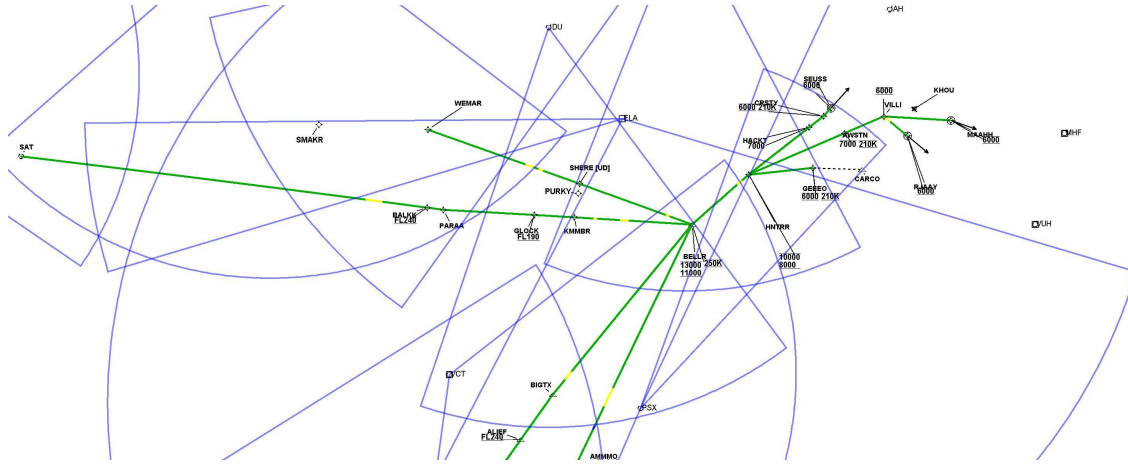
DME DME Assessment Results for BELLR5 path HNTRR\_GEEEO

Graphic Depiction 3



# DME DME Assessment Results for BELLR5 path HNTRR\_GEEEO

Graphic Depiction 4



## DME DME Assessment Results for BELLR5 path HNTRR\_SEUSS

### Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Jose G-CTR Medina
Project File:	S:\530View\BUBBA\KHOU_KIAH_20230810 CD\DME SCREENS 20230118\BELLR\BELLR DME CD20230810_20230118.tgs
Output File:	S:\530View\BUBBA\KHOU_KIAH_20230810 CD\DME SCREENS 20230118\BELLR\KHOU [IFPA] BELLR5 20230119_0951 CST\HNTRR_SEUSS\KHOU BELLR5 RNAV STAR HNTRR SEUSS 20230119_0951 CST.pdf
Procedure Name:	BELLR5
Software: DmeDmePlugin:	7.0.2
Date/Time:	01/19/2023 09:51 CST
Databases:	DTED Level 0 MAX

### 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
HNTRR	WP	N29° 28' 10.2200", W095° 52' 42.4100"	6000	VNAV	250	FLY_BY	TF
HACKT	WP	N29° 36' 20.4600", W095° 39' 16.7200"	6000	VNAV	250	FLY_BY	TF
CRSTY	WP	N29° 38' 19.1100", W095° 36' 01.0600"	6000	VNAV	210	FLY_BY	TF
SEUSS	WP	N29° 39' 44.2000", W095° 34' 23.6100"	6000	VNAV	210	FLY_OVER	TF

### Flyability

Flight Type:	RNAV_STAR
Selected Airport:	KHOU [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 BELLR5 path HNTRR\_SEUSS

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:	Allowed
DoD Facilities:	Not included
Foreign Facilities:	Not included
High DMEs:	Included
Low DMEs:	Included
Terminal DMEs:	Included
Flight Check DMEs:	Not selected
Higher Altitudes:	Not Evaluated
Near Maximum Altitude:	Not Evaluated
Automatic ESVs:	Not enabled
Disabled DMEs:	None

DME/DME (Continued)										
DMEs Used										
#	Name	Lat/Lon	MAGVAR	Range	Type	Source	Critical	Status	Time	Distance
1	ELA	N29° 39' 44.9259", W096° 19' 01.6411"	0.0 E	130	H	IFPA	NO	Enabled	88.2 %	89.9 %
2	VUH	N29° 16' 09.6039", W094° 52' 03.8108"	6.0 E	130	DH	IFPA	NO	Enabled	100 %	100 %
3	TNV	N30° 17' 18.6954", W096° 03' 29.6635"	8.0 E	130	H	IFPA	NO	Enabled	57.9 %	59 %
4	IAH	N29° 57' 24.9013", W095° 20' 44.5885"	5.0 E	130	H	IFPA	NO	Enabled	92.8 %	92.6 %
5	PSX	N28° 45' 51.9062", W096° 18' 22.2472"	8.0 E	130	H	IFPA	NO	Enabled	100 %	100 %

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	PSX	ELA	VUH	TNV		
1.5	PSX	ELA	VUH	IAH	TNV	
11.7	PSX	VUH	IAH	ELA		
17.8	VUH	IAH	PSX			

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

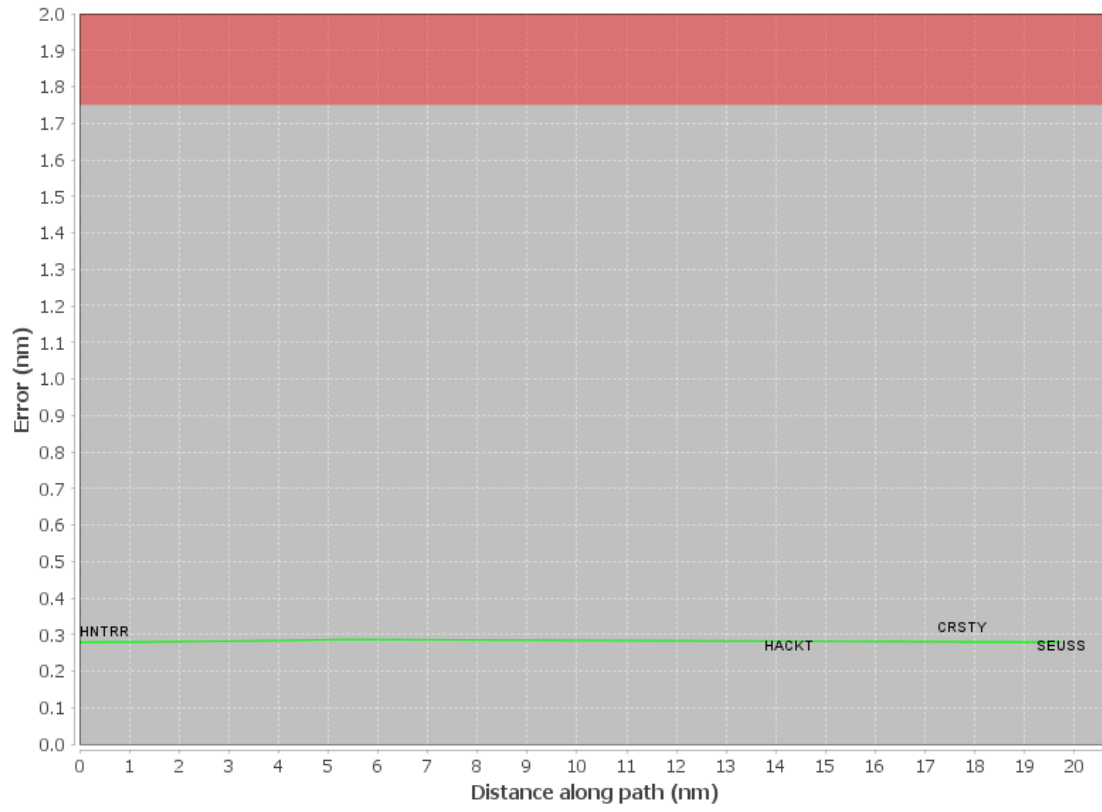
Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
HNTRR	HACKT	IAH, PSX, VUH, ELA, TNV	
HACKT	CRSTY	IAH, PSX, VUH, ELA	
CRSTY	SEUSS	IAH, PSX, VUH	

**DME DME Assessment Results for BELLR5 path HNTRR\_SEUSS**

User Data Files								
#	File Name							
1	UserDMEsKHOU [IFPA] BELLR5 RNAV STAR_20230104_0702 CST.udt							
User DMEs								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	HRL FAA 211663-001 HRL [IFPA]	N26° 13' 45.2091", W097° 39' 08.1525"	5.0 E	40	32.4	113.65	HRL FAA 211663-001	
	ESV:	Bearing [True]: 3.0° to 16.0° Bearing [Mag]: 358.0° to 11.0°				Arc Distance: Out to 126.0 NM Altitude: 10900.0 to 18100.0 ft		
2	HRL FAA 211663-002 HRL [IFPA]	N26° 13' 45.2091", W097° 39' 08.1525"	5.0 E	40	32.4	113.65	HRL FAA 211663-002	
	ESV:	Bearing [True]: 14.0° to 24.0° Bearing [Mag]: 9.0° to 19.0°				Arc Distance: Out to 88.0 NM Altitude: 8900.0 to 18100.0 ft		
3	CWK FAA 970907-33 CWK [IFPA]	N30° 22' 42.7800", W097° 31' 47.4500"	6.0 E	130	593.2	112.8	CWK FAA 970907-33	
	ESV:	Bearing [True]: 130.0° to 232.0° Bearing [Mag]: 124.0° to 226.0°				Arc Distance: Out to 69.0 NM Altitude: 7000.0 to 16000.0 ft		
4	THX FAA 772882-41 THX [IFPA]	N28° 30' 17.9901", W098° 09' 01.6803"	8.0 E	40	266.3	111.4	THX FAA 772882-41	
	ESV:	Bearing [True]: 61.0° to 144.0° Bearing [Mag]: 53.0° to 136.0°				Arc Distance: Out to 90.0 NM Altitude: 7400.0 to 20000.0 ft		
5	TNV FAA 774965-25 TNV [IFPA]	N30° 17' 18.6954", W096° 03' 29.6635"	8.0 E	130	247.4	115.9	TNV FAA 774965-25	
	ESV:	Bearing [True]: 155.0° to 205.0° Bearing [Mag]: 147.0° to 197.0°				Arc Distance: Out to 70.0 NM Altitude: 4000.0 to 15000.0 ft		
6	ELA FAA 870288-42 ELA [IFPA]	N29° 39' 44.9259", W096° 19' 01.6411"	0.0 E	130	191.9	null	ELA FAA 870288-42	
	ESV:	Bearing [True]: 257.0° to 273.0° Bearing [Mag]: 257.0° to 273.0°				Arc Distance: Out to 100.0 NM Altitude: 8000.0 to 16000.0 ft		
7	ELA FAA 870288-43 ELA [IFPA]	N29° 39' 44.9259", W096° 19' 01.6411"	0.0 E	130	191.9	null	ELA FAA 870288-43	
	ESV:	Bearing [True]: 109.0° to 211.0° Bearing [Mag]: 109.0° to 211.0°				Arc Distance: Out to 100.0 NM Altitude: 7200.0 to 20000.0 ft		
8	IDU FAA 694297-37 IDU [IFPA]	N29° 57' 21.8070", W096° 33' 43.8990"	8.0 E	40	419	110.2	IDU FAA 694297-37	
	ESV:	Bearing [True]: 146.0° to 202.0° Bearing [Mag]: 138.0° to 194.0°				Arc Distance: Out to 74.0 NM Altitude: 7000.0 to 20000.0 ft		
9	PSX FAA 704268-40 PSX [IFPA]	N28° 45' 51.9062", W096° 18' 22.2472"	8.0 E	130	15.7	117.3	PSX FAA 704268-40	
	ESV:	Bearing [True]: 23.0° to 46.0° Bearing [Mag]: 15.0° to 38.0°				Arc Distance: Out to 67.0 NM Altitude: 4000.0 to 16000.0 ft		
10	VCT FAA 981797-31 VCT [IFPA]	N28° 54' 01.1460", W096° 58' 44.1649"	6.0 E	40	124.6	109.0	VCT FAA 981797-31	
	ESV:	Bearing [True]: 55.0° to 191.0° Bearing [Mag]: 49.0° to 185.0°				Arc Distance: Out to 65.0 NM Altitude: 4000.0 to 20000.0 ft		
11	TNV FAA 774965-57 TNV [IFPA]	N30° 17' 18.6954", W096° 03' 29.6635"	8.0 E	130	247.4	115.9	TNV FAA 774965-57	
	ESV:	Bearing [True]: 219.0° to 261.0° Bearing [Mag]: 211.0° to 253.0°				Arc Distance: Out to 90.0 NM Altitude: 7000.0 to 16000.0 ft		
12	CSI FAA 766740-20 CSI [IFPA]	N29° 55' 20.4761", W099° 12' 52.1485"	8.0 E	130	2079.3	117.5	CSI FAA 766740-20	
	ESV:	Bearing [True]: 68.0° to 127.0° Bearing [Mag]: 60.0° to 119.0°				Arc Distance: Out to 62.0 NM Altitude: 6000.0 to 18000.0 ft		
13	PSX FAA 704268-37 PSX [IFPA]	N28° 45' 51.9062", W096° 18' 22.2472"	8.0 E	130	15.7	117.3	PSX FAA 704268-37	
	ESV:	Bearing [True]: 207.0° to 28.0° Bearing [Mag]: 199.0° to 20.0°				Arc Distance: Out to 100.0 NM Altitude: 7000.0 to 20000.0 ft		

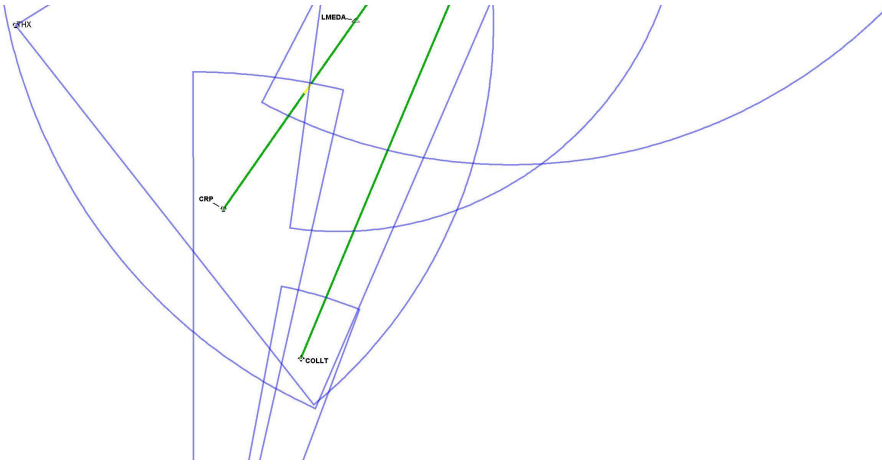
# DME DME Assessment Results for BELLR5 path HNTRR\_SEUSS

## DME Error



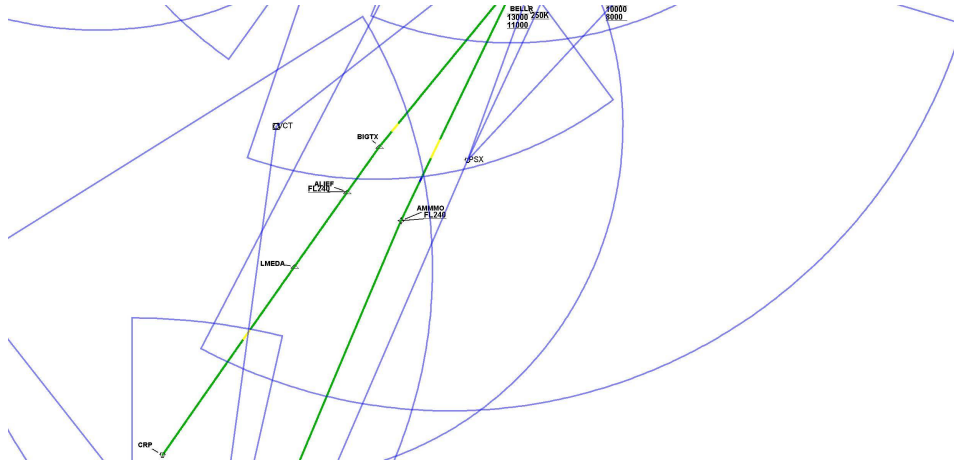
# DME DME Assessment Results for BELLR5 path HNTRR\_SEUSS

Graphic Depiction 1



# DME DME Assessment Results for BELLR5 path HNTRR\_SEUSS

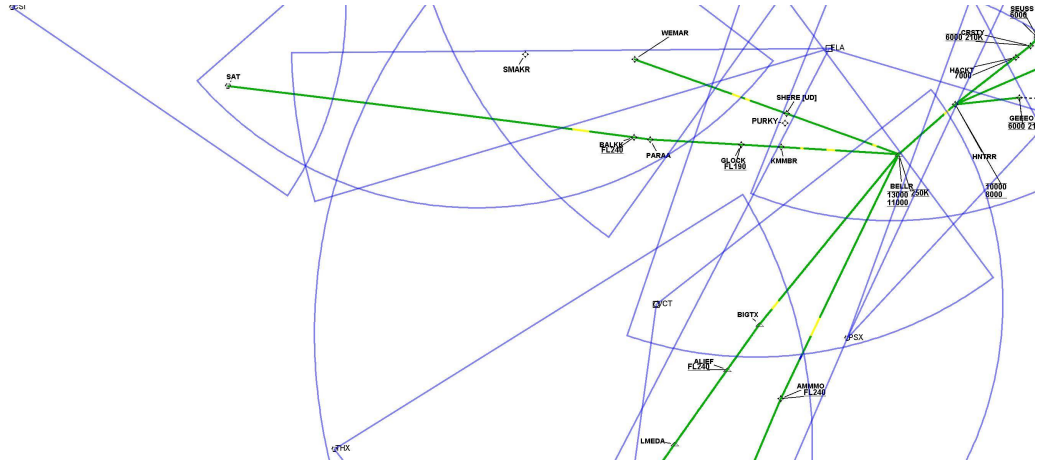
Graphic Depiction 2





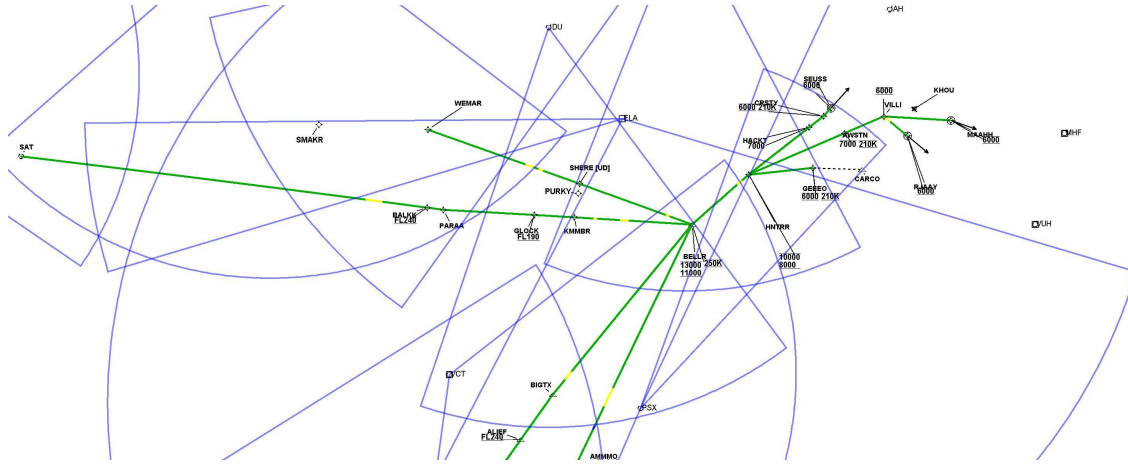
# DME DME Assessment Results for BELLR5 path HNTRR\_SEUSS

Graphic Depiction 3



# DME DME Assessment Results for BELLR5 path HNTRR\_SEUSS

Graphic Depiction 4



## DME DME Assessment Results for BELLR5 path SAT\_MAAHH

### Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Jose G-CTR Medina
Project File:	S:\530View\BUBBA\KHOU_KIAH_20230810 CD\DME SCREENS 20230118\BELLR\BELLR DME CD20230810 20230118.tgs
Output File:	S:\530View\BUBBA\KHOU_KIAH_20230810 CD\DME SCREENS 20230118\BELLR\KHOU [IFPA] BELLR5 20230119_0951 CST\SAT_MAAHH\KHOU BELLR5 RNAV STAR SAT MAAHH 20230119_0951 CST.pdf
Procedure Name:	BELLR5
Software: DmeDmePlugin:	7.0.2
Date/Time:	01/19/2023 09:51 CST
Databases:	DTED Level 0 MAX

### 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
SAT	WP	N29° 38' 38.5080", W098° 27' 40.7369"	9000	VNAV	250	FLY_BY	TF
BALKK	WP	N29° 25' 11.7800", W097° 01' 36.9000"	9000	VNAV	250	FLY_BY	TF
PARAA	WP	N29° 24' 38.9100", W096° 58' 14.2500"	9000	VNAV	250	FLY_BY	TF
GLOCK	WP	N29° 22' 48.6100", W096° 38' 52.6800"	9000	VNAV	250	FLY_BY	TF
KMMBR	WP	N29° 21' 58.6200", W096° 30' 22.1900"	8000	VNAV	250	FLY_BY	TF
BELLR	WP	N29° 19' 29.4500", W096° 05' 19.1700"	7000	VNAV	250	FLY_BY	TF
HNTRR	WP	N29° 28' 10.2200", W095° 52' 42.4100"	6000	VNAV	250	FLY_BY	TF
AWSTN	WP	N29° 34' 54.8100", W095° 31' 49.2400"	6000	VNAV	210	FLY_BY	TF
VILLI	WP	N29° 37' 40.4900", W095° 23' 12.2800"	6000	VNAV	210	FLY_BY	TF
MAAHH	WP	N29° 36' 17.4200", W095° 08' 56.1600"	6000	VNAV	210	FLY_OVER	TF

### Flyability

Flight Type:	RNAV_STAR
Selected Airport:	KHOU [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 BELLR5 path SAT\_MAAHH

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:	Allowed
DoD Facilities:	Not included
Foreign Facilities:	Not included
High DMEs:	Included
Low DMEs:	Included
Terminal DMEs:	Included
Flight Check DMEs:	Not selected
Higher Altitudes:	Not Evaluated
Near Maximum Altitude:	Not Evaluated
Automatic ESVs:	Not enabled
Disabled DMEs:	None

DME/DME (Continued)										
DMEs Used										
#	Name	Lat/Lon	MAGVAR	Range	Type	Source	Critical	Status	Time	Distance
1	STV	N30° 12' 24.3340", W098° 42' 20.7190"	8.0 E	130	H	IFPA	NO	Enabled	0.5 %	0.5 %
2	VCT	N28° 54' 01.1460", W096° 58' 44.1649"	6.0 E	40	L	IFPA	NO	Enabled	26.5 %	27 %
3	IDU	N29° 57' 21.8070", W096° 33' 43.8990"	8.0 E	40	L	IFPA	NO	Enabled	18.6 %	19 %
4	ELA	N29° 39' 44.9259", W096° 19' 01.6411"	0.0 E	130	H	IFPA	NO	Enabled	63.4 %	64.8 %
5	VUH	N29° 16' 09.6039", W094° 52' 03.8108"	6.0 E	130	DH	IFPA	NO	Enabled	54.8 %	53.8 %
6	CWK	N30° 22' 42.7800", W097° 31' 47.4500"	6.0 E	130	H	IFPA	NO	Enabled	43.8 %	44.7 %
7	SAT	N29° 38' 38.5080", W098° 27' 40.7369"	8.0 E	130	H	IFPA	NO	Enabled	17.2 %	17.6 %
8	TNV	N30° 17' 18.6954", W096° 03' 29.6635"	8.0 E	130	H	IFPA	NO	Enabled	37.8 %	38.6 %
9	MHF	N29° 32' 46.8350", W094° 44' 51.0460"	7.0 E	40	L	IFPA	NO	Enabled	11.3 %	9.7 %
10	IAH	N29° 57' 24.9013", W095° 20' 44.5885"	5.0 E	130	H	IFPA	NO	Enabled	22.4 %	20.7 %
11	CSI	N29° 55' 20.4761", W099° 12' 52.1485"	8.0 E	130	H	IFPA	NO	Enabled	10.3 %	10.5 %
12	PSX	N28° 45' 51.9062", W096° 18' 22.2472"	8.0 E	130	H	IFPA	NO	Enabled	58.7 %	59.9 %

**DME DME Assessment Results for BELLR5 path SAT\_MAAHH**

<b>Flight Check DME Selection</b>						
<b>Distance [NM]</b>	<b>Selected DMEs</b>					<b>Alternate</b>
0.0	CWK	STV	CSI			
0.9	CWK	CSI				
8.2	CWK	CSI	SAT			
13.0	CWK	CSI	SAT	ELA		
19.0	CWK	SAT	ELA			
27.2	CWK	SAT	PSX	ELA		
39.9	CWK	ELA	PSX			
53.2	CWK	PSX				
53.4	TNV	PSX	CWK			
63.7	TNV	PSX	VCT	CWK		
78.9	CWK	ELA	TNV	PSX	VCT	
80.5	TNV	PSX	ELA	VCT		
81.8	PSX	ELA	VCT			
83.1	PSX	ELA	VCT	VUH		
85.9	VUH	VCT	ELA			
87.4	VUH	VCT	IDU	ELA		
102.4	IDU	VUH	ELA			
102.5	IDU	VUH	PSX	ELA		
103.0	IDU	VUH	TNV	PSX	ELA	
107.4	IDU	VUH	PSX	ELA	VCT	
108.1	ELA	VUH	PSX	TNV	IDU	
121.7	VUH	PSX	ELA			
128.5	TNV	VUH	VCT	ELA		
137.1	PSX	ELA	VUH	TNV	VCT	
137.8	PSX	ELA	VUH	TNV		
138.2	TNV	VUH	ELA			
138.6	PSX	ELA	VUH	TNV		
142.5	PSX	ELA	VUH	IAH	TNV	
151.7	VUH	IAH	PSX	ELA		
155.3	VUH	IAH	PSX			
160.7	VUH	IAH				
162.3	MHF	IAH	VUH			

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

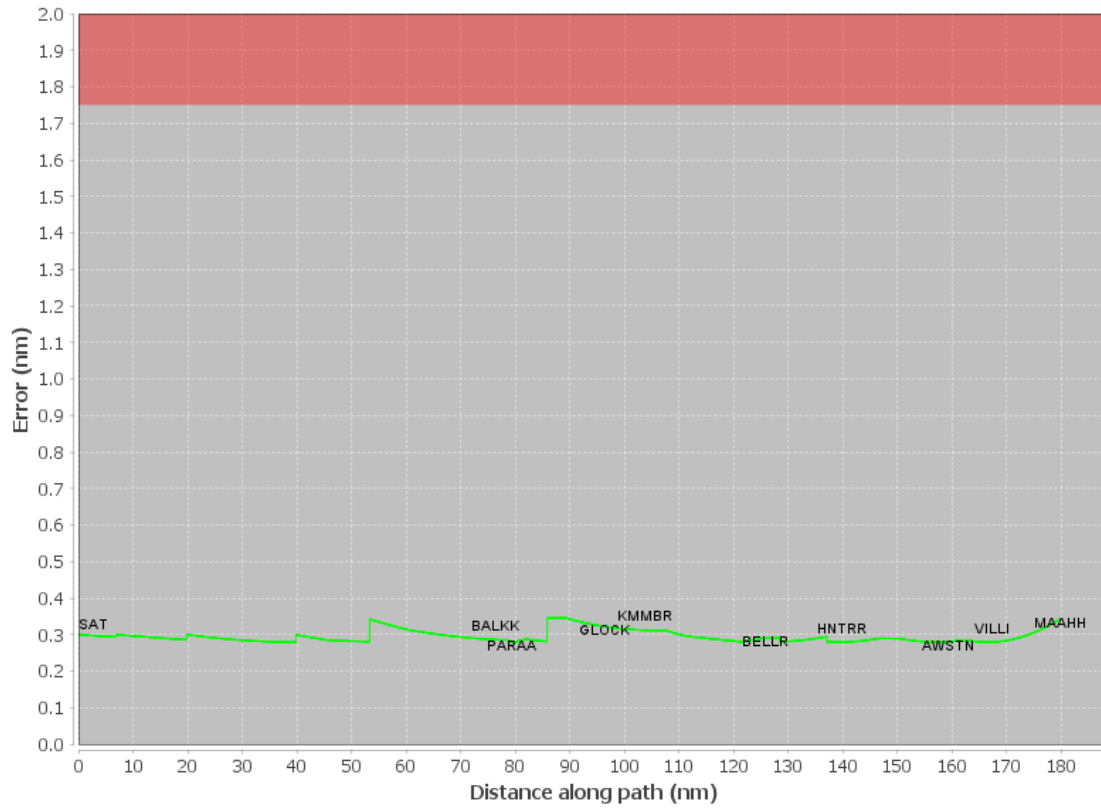
<b>Available DMEs by Waypoints</b>			
<b>Waypoint Before</b>	<b>Waypoint After</b>	<b>DME List</b>	<b>Suggested DMEs</b>
SAT	BALKK	STV, PSX, CWK, VCT, SAT, CSI, ELA, TNV	
BALKK	PARAA	PSX, VCT, CWK, ELA, TNV	
PARAA	GLOCK	PSX, VCT, CWK, VUH, ELA, IDU, TNV	
GLOCK	KMMBR	PSX, VCT, VUH, IDU, ELA, TNV	
KMMBR	BELLR	PSX, VCT, VUH, IDU, ELA, TNV	
BELLR	HNTRR	PSX, VCT, VUH, ELA, TNV	
HNTRR	AWSTN	IAH, PSX, VUH, ELA, TNV	
AWSTN	VILLI	IAH, PSX, VUH, MHF	
VILLI	MAAHH	IAH, VUH, MHF	

**DME DME Assessment Results for BELLR5 path SAT\_MAAHH**

<b>User Data Files</b>								
#	File Name							
1	UserDMEsKHOU [IFPA] BELLR5 RNAV STAR_20230104_0702 CST.udt							
<b>User DMEs</b>								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	HRL FAA 211663-001 HRL [IFPA]	N26° 13' 45.2091", W097° 39' 08.1525"	5.0 E	40	32.4	113.65	HRL FAA 211663-001	
	ESV:	Bearing [True]: 3.0° to 16.0° Bearing [Mag]: 358.0° to 11.0°				Arc Distance: Out to 126.0 NM Altitude: 10900.0 to 18100.0 ft		
2	HRL FAA 211663-002 HRL [IFPA]	N26° 13' 45.2091", W097° 39' 08.1525"	5.0 E	40	32.4	113.65	HRL FAA 211663-002	
	ESV:	Bearing [True]: 14.0° to 24.0° Bearing [Mag]: 9.0° to 19.0°				Arc Distance: Out to 88.0 NM Altitude: 8900.0 to 18100.0 ft		
3	CWK FAA 970907-33 CWK [IFPA]	N30° 22' 42.7800", W097° 31' 47.4500"	6.0 E	130	593.2	112.8	CWK FAA 970907-33	
	ESV:	Bearing [True]: 130.0° to 232.0° Bearing [Mag]: 124.0° to 226.0°				Arc Distance: Out to 69.0 NM Altitude: 7000.0 to 16000.0 ft		
4	THX FAA 772882-41 THX [IFPA]	N28° 30' 17.9901", W098° 09' 01.6803"	8.0 E	40	266.3	111.4	THX FAA 772882-41	
	ESV:	Bearing [True]: 61.0° to 144.0° Bearing [Mag]: 53.0° to 136.0°				Arc Distance: Out to 90.0 NM Altitude: 7400.0 to 20000.0 ft		
5	TNV FAA 774965-25 TNV [IFPA]	N30° 17' 18.6954", W096° 03' 29.6635"	8.0 E	130	247.4	115.9	TNV FAA 774965-25	
	ESV:	Bearing [True]: 155.0° to 205.0° Bearing [Mag]: 147.0° to 197.0°				Arc Distance: Out to 70.0 NM Altitude: 4000.0 to 15000.0 ft		
6	ELA FAA 870288-42 ELA [IFPA]	N29° 39' 44.9259", W096° 19' 01.6411"	0.0 E	130	191.9	null	ELA FAA 870288-42	
	ESV:	Bearing [True]: 257.0° to 273.0° Bearing [Mag]: 257.0° to 273.0°				Arc Distance: Out to 100.0 NM Altitude: 8000.0 to 16000.0 ft		
7	ELA FAA 870288-43 ELA [IFPA]	N29° 39' 44.9259", W096° 19' 01.6411"	0.0 E	130	191.9	null	ELA FAA 870288-43	
	ESV:	Bearing [True]: 109.0° to 211.0° Bearing [Mag]: 109.0° to 211.0°				Arc Distance: Out to 100.0 NM Altitude: 7200.0 to 20000.0 ft		
8	IDU FAA 694297-37 IDU [IFPA]	N29° 57' 21.8070", W096° 33' 43.8990"	8.0 E	40	419	110.2	IDU FAA 694297-37	
	ESV:	Bearing [True]: 146.0° to 202.0° Bearing [Mag]: 138.0° to 194.0°				Arc Distance: Out to 74.0 NM Altitude: 7000.0 to 20000.0 ft		
9	PSX FAA 704268-40 PSX [IFPA]	N28° 45' 51.9062", W096° 18' 22.2472"	8.0 E	130	15.7	117.3	PSX FAA 704268-40	
	ESV:	Bearing [True]: 23.0° to 46.0° Bearing [Mag]: 15.0° to 38.0°				Arc Distance: Out to 67.0 NM Altitude: 4000.0 to 16000.0 ft		
10	VCT FAA 981797-31 VCT [IFPA]	N28° 54' 01.1460", W096° 58' 44.1649"	6.0 E	40	124.6	109.0	VCT FAA 981797-31	
	ESV:	Bearing [True]: 55.0° to 191.0° Bearing [Mag]: 49.0° to 185.0°				Arc Distance: Out to 65.0 NM Altitude: 4000.0 to 20000.0 ft		
11	TNV FAA 774965-57 TNV [IFPA]	N30° 17' 18.6954", W096° 03' 29.6635"	8.0 E	130	247.4	115.9	TNV FAA 774965-57	
	ESV:	Bearing [True]: 219.0° to 261.0° Bearing [Mag]: 211.0° to 253.0°				Arc Distance: Out to 90.0 NM Altitude: 7000.0 to 16000.0 ft		
12	CSI FAA 766740-20 CSI [IFPA]	N29° 55' 20.4761", W099° 12' 52.1485"	8.0 E	130	2079.3	117.5	CSI FAA 766740-20	
	ESV:	Bearing [True]: 68.0° to 127.0° Bearing [Mag]: 60.0° to 119.0°				Arc Distance: Out to 62.0 NM Altitude: 6000.0 to 18000.0 ft		
13	PSX FAA 704268-37 PSX [IFPA]	N28° 45' 51.9062", W096° 18' 22.2472"	8.0 E	130	15.7	117.3	PSX FAA 704268-37	
	ESV:	Bearing [True]: 207.0° to 28.0° Bearing [Mag]: 199.0° to 20.0°				Arc Distance: Out to 100.0 NM Altitude: 7000.0 to 20000.0 ft		

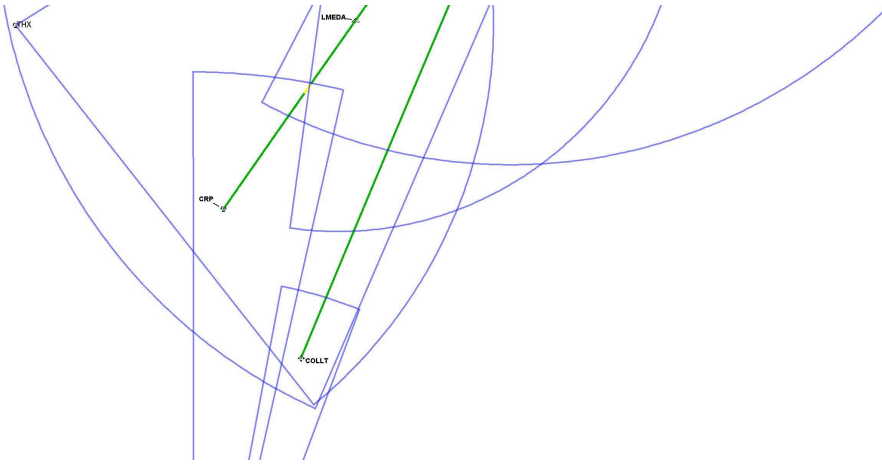
# DME DME Assessment Results for BELLR5 path SAT\_MAAHH

## DME Error



# DME DME Assessment Results for BELLR5 path SAT\_MAAHH

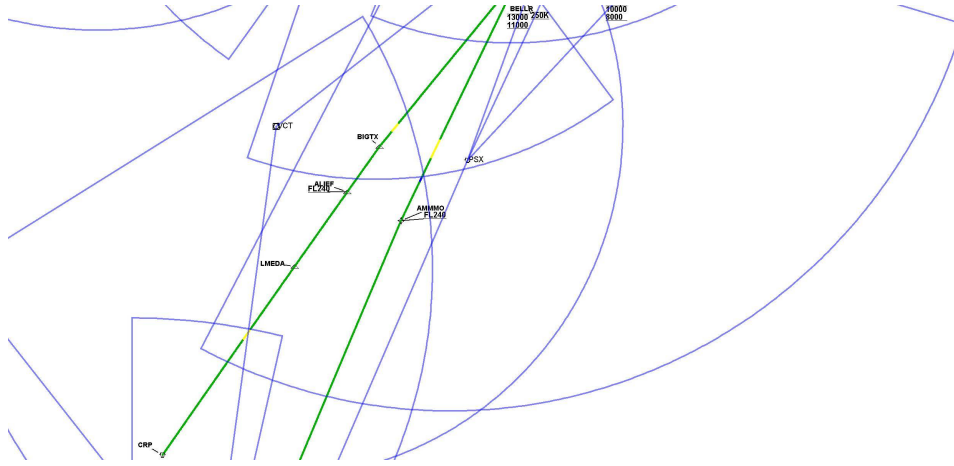
Graphic Depiction 1





# DME DME Assessment Results for BELLR5 path SAT\_MAAHH

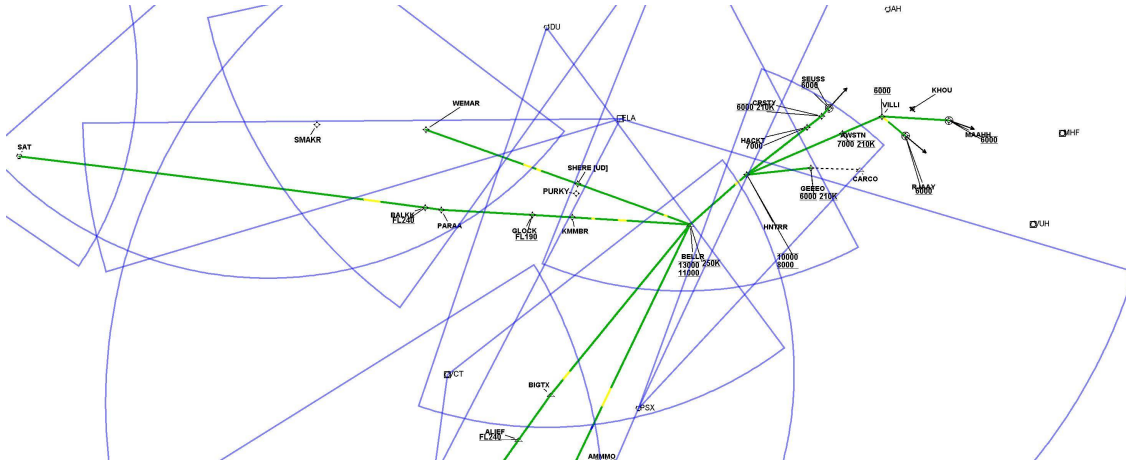
Graphic Depiction 2





# DME DME Assessment Results for BELLR5 path SAT\_MAAHH

Graphic Depiction 4



## DME DME Assessment Results for BELLR5 path VILLI\_RJAAY

### Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Jose G-CTR Medina
Project File:	S:\530View\BUBBA\KHOU_KIAH_20230810 CD\DME SCREENS 20230118\BELLR\BELLR DME CD20230810 20230118.tgs
Output File:	S:\530View\BUBBA\KHOU_KIAH_20230810 CD\DME SCREENS 20230118\BELLR\KHOU [IFPA] BELLR5 20230119_0951 CST\VILLI_RJAAY\KHOU BELLR5 RNAV STAR VILLI RJAAY 20230119_0951 CST.pdf
Procedure Name:	BELLR5
Software: DmeDmePlugin:	7.0.2
Date/Time:	01/19/2023 09:51 CST
Databases:	DTED Level 0 MAX

### 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
VILLI	WP	N29° 37' 40.4900", W095° 23' 12.2800"	6000	VNAV	210	FLY_BY	TF
RJAAY	WP	N29° 33' 49.4500", W095° 18' 25.2700"	6000	VNAV	210	FLY_OVER	TF

### Flyability

Flight Type:	RNAV_STAR
Selected Airport:	KHOU [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 BELLR5 path VILLI\_RJAAY

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:	Allowed
DoD Facilities:	Not included
Foreign Facilities:	Not included
High DMEs:	Included
Low DMEs:	Included
Terminal DMEs:	Included
Flight Check DMEs:	Not selected
Higher Altitudes:	Not Evaluated
Near Maximum Altitude:	Not Evaluated
Automatic ESVs:	Not enabled
Disabled DMEs:	None

DME/DME (Continued)										
DMEs Used										
#	Name	Lat/Lon	MAGVAR	Range	Type	Source	Critical	Status	Time	Distance
1	VUH	N29° 16' 09.6039", W094° 52' 03.8108"	6.0 E	130	DH	IFPA	NO	Enabled	100 %	100 %
2	MHF	N29° 32' 46.8350", W094° 44' 51.0460"	7.0 E	40	L	IFPA	NO	Enabled	100 %	100 %
3	IAH	N29° 57' 24.9013", W095° 20' 44.5885"	5.0 E	130	H	IFPA	NO	Enabled	100 %	100 %

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	MHF	IAH	VUH			

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

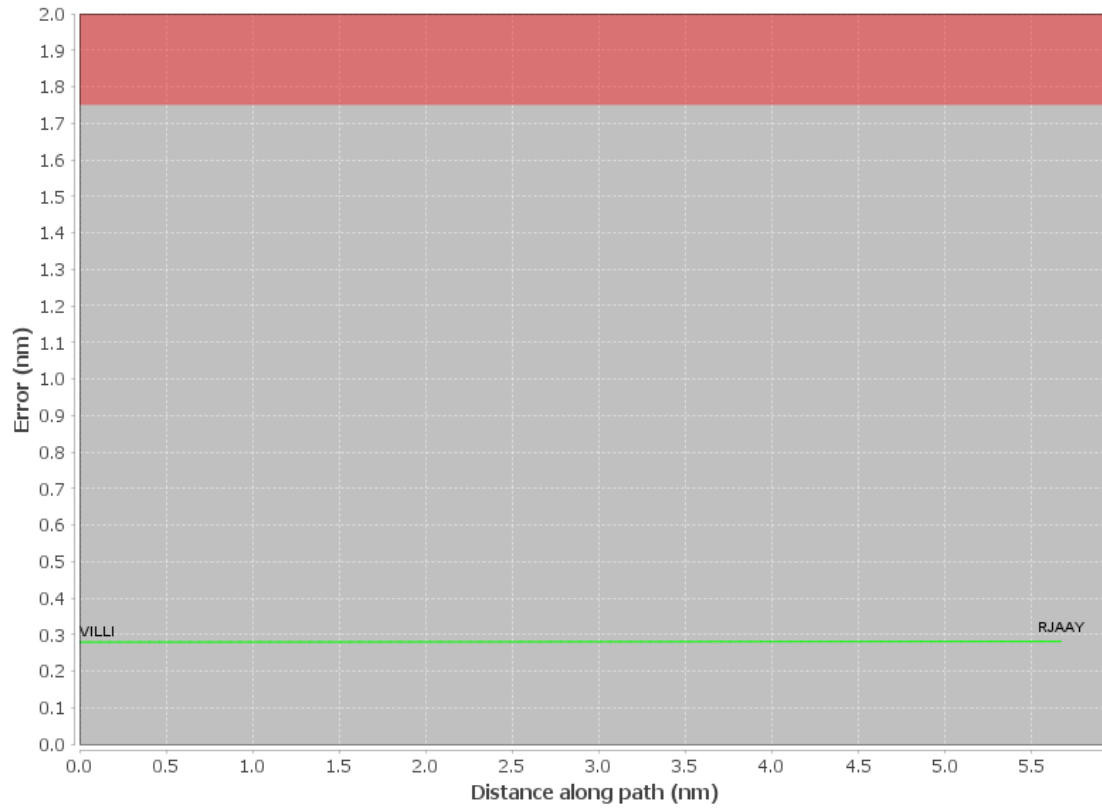
Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
VILLI	RJAAY	IAH, VUH, MHF	

**DME DME Assessment Results for BELLR5 path VILLI\_RJAAJ**

<b>User Data Files</b>								
#	File Name							
1	UserDMEsKHOJ [IFPA] BELLR5 RNAV STAR_20230104_0702 CST.udt							
<b>User DMEs</b>								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	HRL FAA 211663-001 HRL [IFPA]	N26° 13' 45.2091", W097° 39' 08.1525"	5.0 E	40	32.4	113.65	HRL FAA 211663-001	
	ESV:	Bearing [True]: 3.0° to 16.0° Bearing [Mag]: 358.0° to 11.0°				Arc Distance: Out to 126.0 NM Altitude: 10900.0 to 18100.0 ft		
2	HRL FAA 211663-002 HRL [IFPA]	N26° 13' 45.2091", W097° 39' 08.1525"	5.0 E	40	32.4	113.65	HRL FAA 211663-002	
	ESV:	Bearing [True]: 14.0° to 24.0° Bearing [Mag]: 9.0° to 19.0°				Arc Distance: Out to 88.0 NM Altitude: 8900.0 to 18100.0 ft		
3	CWK FAA 970907-33 CWK [IFPA]	N30° 22' 42.7800", W097° 31' 47.4500"	6.0 E	130	593.2	112.8	CWK FAA 970907-33	
	ESV:	Bearing [True]: 130.0° to 232.0° Bearing [Mag]: 124.0° to 226.0°				Arc Distance: Out to 69.0 NM Altitude: 7000.0 to 16000.0 ft		
4	THX FAA 772882-41 THX [IFPA]	N28° 30' 17.9901", W098° 09' 01.6803"	8.0 E	40	266.3	111.4	THX FAA 772882-41	
	ESV:	Bearing [True]: 61.0° to 144.0° Bearing [Mag]: 53.0° to 136.0°				Arc Distance: Out to 90.0 NM Altitude: 7400.0 to 20000.0 ft		
5	TNV FAA 774965-25 TNV [IFPA]	N30° 17' 18.6954", W096° 03' 29.6635"	8.0 E	130	247.4	115.9	TNV FAA 774965-25	
	ESV:	Bearing [True]: 155.0° to 205.0° Bearing [Mag]: 147.0° to 197.0°				Arc Distance: Out to 70.0 NM Altitude: 4000.0 to 15000.0 ft		
6	ELA FAA 870288-42 ELA [IFPA]	N29° 39' 44.9259", W096° 19' 01.6411"	0.0 E	130	191.9	null	ELA FAA 870288-42	
	ESV:	Bearing [True]: 257.0° to 273.0° Bearing [Mag]: 257.0° to 273.0°				Arc Distance: Out to 100.0 NM Altitude: 8000.0 to 16000.0 ft		
7	ELA FAA 870288-43 ELA [IFPA]	N29° 39' 44.9259", W096° 19' 01.6411"	0.0 E	130	191.9	null	ELA FAA 870288-43	
	ESV:	Bearing [True]: 109.0° to 211.0° Bearing [Mag]: 109.0° to 211.0°				Arc Distance: Out to 100.0 NM Altitude: 7200.0 to 20000.0 ft		
8	IDU FAA 694297-37 IDU [IFPA]	N29° 57' 21.8070", W096° 33' 43.8990"	8.0 E	40	419	110.2	IDU FAA 694297-37	
	ESV:	Bearing [True]: 146.0° to 202.0° Bearing [Mag]: 138.0° to 194.0°				Arc Distance: Out to 74.0 NM Altitude: 7000.0 to 20000.0 ft		
9	PSX FAA 704268-40 PSX [IFPA]	N28° 45' 51.9062", W096° 18' 22.2472"	8.0 E	130	15.7	117.3	PSX FAA 704268-40	
	ESV:	Bearing [True]: 23.0° to 46.0° Bearing [Mag]: 15.0° to 38.0°				Arc Distance: Out to 67.0 NM Altitude: 4000.0 to 16000.0 ft		
10	VCT FAA 981797-31 VCT [IFPA]	N28° 54' 01.1460", W096° 58' 44.1649"	6.0 E	40	124.6	109.0	VCT FAA 981797-31	
	ESV:	Bearing [True]: 55.0° to 191.0° Bearing [Mag]: 49.0° to 185.0°				Arc Distance: Out to 65.0 NM Altitude: 4000.0 to 20000.0 ft		
11	TNV FAA 774965-57 TNV [IFPA]	N30° 17' 18.6954", W096° 03' 29.6635"	8.0 E	130	247.4	115.9	TNV FAA 774965-57	
	ESV:	Bearing [True]: 219.0° to 261.0° Bearing [Mag]: 211.0° to 253.0°				Arc Distance: Out to 90.0 NM Altitude: 7000.0 to 16000.0 ft		
12	CSI FAA 766740-20 CSI [IFPA]	N29° 55' 20.4761", W099° 12' 52.1485"	8.0 E	130	2079.3	117.5	CSI FAA 766740-20	
	ESV:	Bearing [True]: 68.0° to 127.0° Bearing [Mag]: 60.0° to 119.0°				Arc Distance: Out to 62.0 NM Altitude: 6000.0 to 18000.0 ft		
13	PSX FAA 704268-37 PSX [IFPA]	N28° 45' 51.9062", W096° 18' 22.2472"	8.0 E	130	15.7	117.3	PSX FAA 704268-37	
	ESV:	Bearing [True]: 207.0° to 28.0° Bearing [Mag]: 199.0° to 20.0°				Arc Distance: Out to 100.0 NM Altitude: 7000.0 to 20000.0 ft		

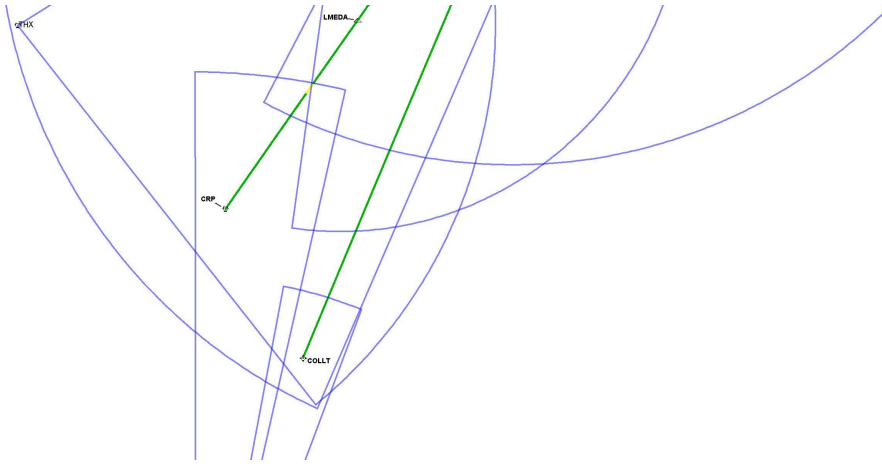
# DME DME Assessment Results for BELLR5 path VILLI\_RJAAY

## DME Error



# DME DME Assessment Results for BELLR5 path VILLI\_RJAA

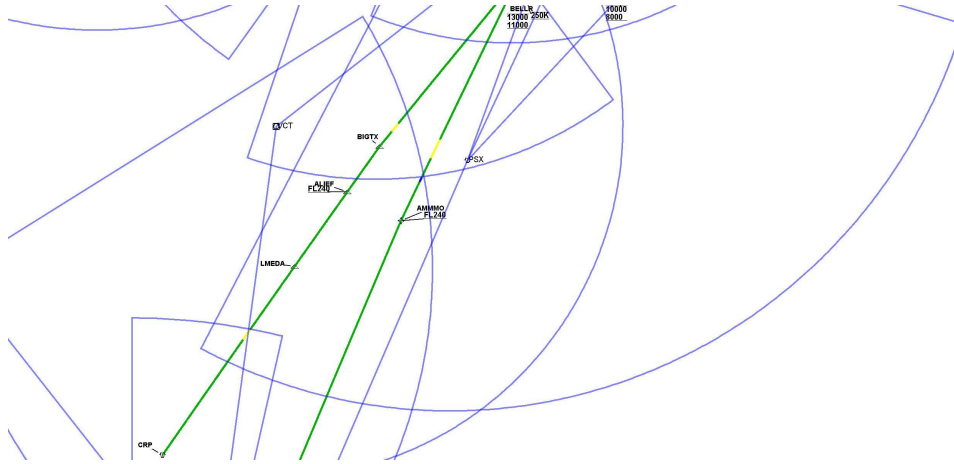
Graphic Depiction 1





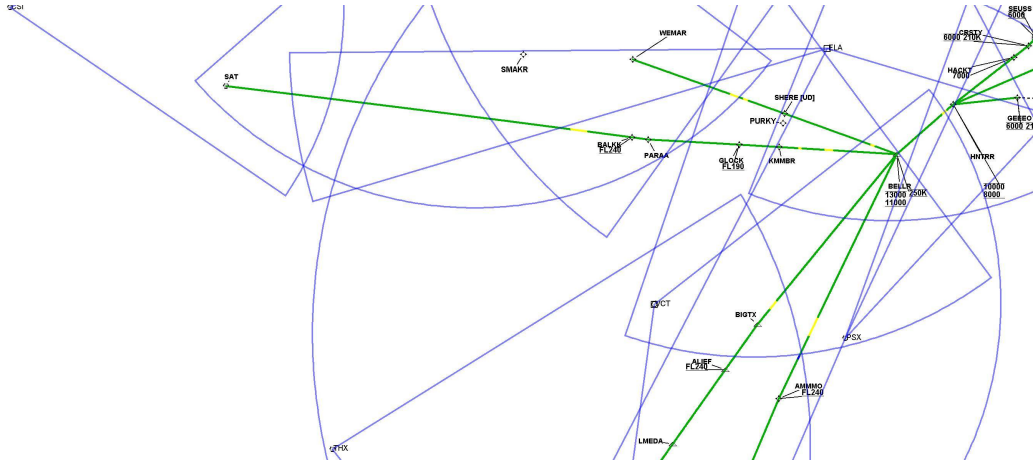
# DME DME Assessment Results for BELLR5 path VILLI\_RJAAY

Graphic Depiction 2



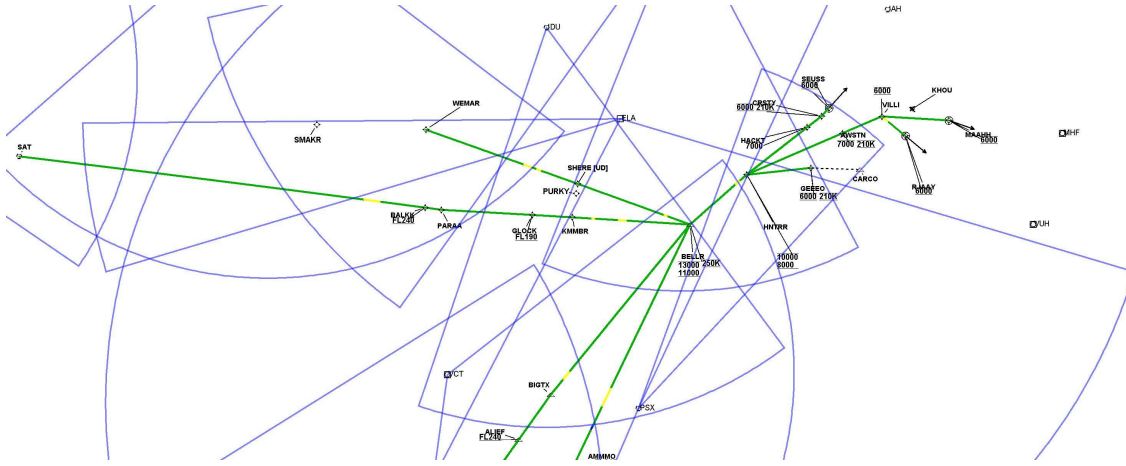
# DME DME Assessment Results for BELLR5 path VILLI\_RJAAY

Graphic Depiction 3



# DME DME Assessment Results for BELLR5 path VILLI\_RJAAY

Graphic Depiction 4



## DME DME Assessment Results for BELLR5 path WEMAR\_BELLR

### Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Jose G-CTR Medina
Project File:	S:\530View\BUBBA\KHOU_KIAH_20230810 CD\DME SCREENS 20230118\BELLR\BELLR DME CD20230810 20230118.tgs
Output File:	S:\530View\BUBBA\KHOU_KIAH_20230810 CD\DME SCREENS 20230118\BELLR\KHOU [IFPA] BELLR5 20230119_0951 CST\WEMAR_BELLR\KHOU BELLR5 RNAV STAR WEMAR BELLR 20230119_0951 CST.pdf
Procedure Name:	BELLR5
Software: DmeDmePlugin:	7.0.2
Date/Time:	01/19/2023 09:51 CST
Databases:	DTED Level 0 MAX

### 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
WEMAR	WP	N29° 39' 37.1500", W097° 00' 37.4500"	7000	VNAV	250	FLY_BY	TF
SHERE	WP	N29° 28' 06.8621", W096° 28' 50.3984"	7000	VNAV	250	FLY_BY	TF
BELLR	WP	N29° 19' 29.4500", W096° 05' 19.1700"	7000	VNAV	250	FLY_BY	TF

### Flyability

Flight Type:	RNAV_STAR
Selected Airport:	KHOU [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 BELLR5 path WEMAR\_BELLR**

<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
DME Include Angles:	30 to 150
Critical DMEs:	Allowed
DoD Facilities:	Not included
Foreign Facilities:	Not included
High DMEs:	Included
Low DMEs:	Included
Terminal DMEs:	Included
Flight Check DMEs:	Not selected
Higher Altitudes:	Not Evaluated
Near Maximum Altitude:	Not Evaluated
Automatic ESVs:	Not enabled
Disabled DMEs:	None

<b>DME/DME (Continued)</b>										
<b>DMEs Used</b>										
#	Name	Lat/Lon	MAGVAR	Range	Type	Source	Critical	Status	Time	Distance
1	VCT	N28° 54' 01.1460", W096° 58' 44.1649"	6.0 E	40	L	IFPA	NO	Enabled	1.7 %	1.7 %
2	IDU	N29° 57' 21.8070", W096° 33' 43.8990"	8.0 E	40	L	IFPA	NO	Enabled	90 %	90 %
3	ELA	N29° 39' 44.9259", W096° 19' 01.6411"	0.0 E	130	H	IFPA	NO	Enabled	100 %	100 %
4	VUH	N29° 16' 09.6039", W094° 52' 03.8108"	6.0 E	130	DH	IFPA	NO	Enabled	57.5 %	57.5 %
5	CWK	N30° 22' 42.7800", W097° 31' 47.4500"	6.0 E	130	H	IFPA	NO	Enabled	39.4 %	39.4 %
6	TNV	N30° 17' 18.6954", W096° 03' 29.6635"	8.0 E	130	H	IFPA	NO	Enabled	53.3 %	53.3 %
7	PSX	N28° 45' 51.9062", W096° 18' 22.2472"	8.0 E	130	H	IFPA	NO	Enabled	75.7 %	75.7 %

<b>Flight Check DME Selection</b>						
Distance [NM]	Selected DMEs					Alternate
0.0	PSX	IDU	TNV	CWK	ELA	
14.7	PSX	ELA	CWK	IDU		
19.0	PSX	ELA	IDU			
19.3	PSX	ELA	CWK	IDU		
21.1	PSX	ELA	IDU			
22.0	IDU	VUH	ELA			
22.9	PSX	ELA	IDU			
23.1	IDU	VUH	ELA			
34.7	ELA	VUH	TNV	PSX	IDU	
47.1	VUH	PSX	ELA			
48.0	TNV	VUH	PSX	VCT	ELA	
48.9	VUH	PSX	ELA			

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

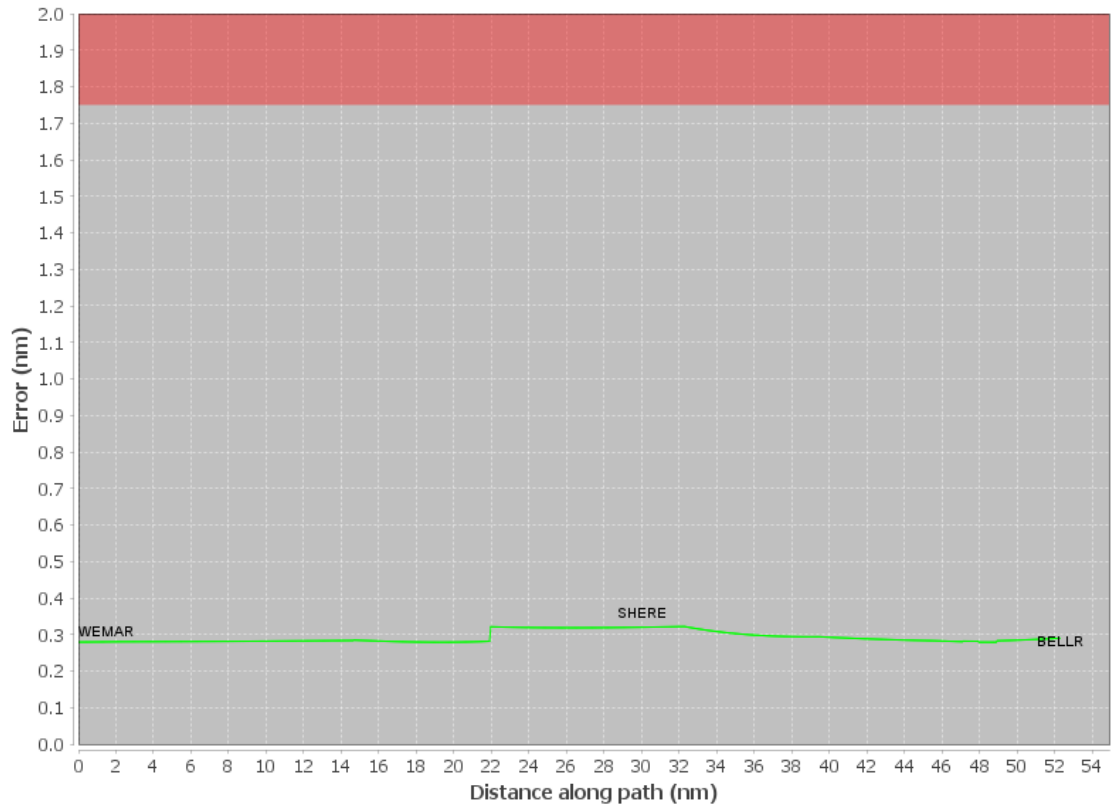
**DME DME Assessment Results for BELLR5 path WEMAR\_BELLR**

Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
WEMAR	SHERE	PSX, CWK, VUH, IDU, ELA, TNV	
SHERE	BELLR	PSX, VCT, VUH, IDU, ELA, TNV	

User Data Files								
#	File Name							
1	UserDMEsKHOU [IFPA] BELLR5 RNAV STAR_20230104_0702 CST.udt							
User DMEs								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	HRL FAA 211663-001 HRL [IFPA]	N26° 13' 45.2091", W097° 39' 08.1525"	5.0 E	40	32.4	113.65	HRL FAA 211663-001	
ESV:		Bearing [True]: 3.0° to 16.0° Bearing [Mag]: 358.0° to 11.0°				Arc Distance: Out to 126.0 NM Altitude: 10900.0 to 18100.0 ft		
2	HRL FAA 211663-002 HRL [IFPA]	N26° 13' 45.2091", W097° 39' 08.1525"	5.0 E	40	32.4	113.65	HRL FAA 211663-002	
ESV:		Bearing [True]: 14.0° to 24.0° Bearing [Mag]: 9.0° to 19.0°				Arc Distance: Out to 88.0 NM Altitude: 8900.0 to 18100.0 ft		
3	CWK FAA 970907-33 CWK [IFPA]	N30° 22' 42.7800", W097° 31' 47.4500"	6.0 E	130	593.2	112.8	CWK FAA 970907-33	
ESV:		Bearing [True]: 130.0° to 232.0° Bearing [Mag]: 124.0° to 226.0°				Arc Distance: Out to 69.0 NM Altitude: 7000.0 to 16000.0 ft		
4	THX FAA 772882-41 THX [IFPA]	N28° 30' 17.9901", W098° 09' 01.6803"	8.0 E	40	266.3	111.4	THX FAA 772882-41	
ESV:		Bearing [True]: 61.0° to 144.0° Bearing [Mag]: 53.0° to 136.0°				Arc Distance: Out to 90.0 NM Altitude: 7400.0 to 20000.0 ft		
5	TNV FAA 774965-25 TNV [IFPA]	N30° 17' 18.6954", W096° 03' 29.6635"	8.0 E	130	247.4	115.9	TNV FAA 774965-25	
ESV:		Bearing [True]: 155.0° to 205.0° Bearing [Mag]: 147.0° to 197.0°				Arc Distance: Out to 70.0 NM Altitude: 4000.0 to 15000.0 ft		
6	ELA FAA 870288-42 ELA [IFPA]	N29° 39' 44.9259", W096° 19' 01.6411"	0.0 E	130	191.9	null	ELA FAA 870288-42	
ESV:		Bearing [True]: 257.0° to 273.0° Bearing [Mag]: 257.0° to 273.0°				Arc Distance: Out to 100.0 NM Altitude: 8000.0 to 16000.0 ft		
7	ELA FAA 870288-43 ELA [IFPA]	N29° 39' 44.9259", W096° 19' 01.6411"	0.0 E	130	191.9	null	ELA FAA 870288-43	
ESV:		Bearing [True]: 109.0° to 211.0° Bearing [Mag]: 109.0° to 211.0°				Arc Distance: Out to 100.0 NM Altitude: 7200.0 to 20000.0 ft		
8	IDU FAA 694297-37 IDU [IFPA]	N29° 57' 21.8070", W096° 33' 43.8990"	8.0 E	40	419	110.2	IDU FAA 694297-37	
ESV:		Bearing [True]: 146.0° to 202.0° Bearing [Mag]: 138.0° to 194.0°				Arc Distance: Out to 74.0 NM Altitude: 7000.0 to 20000.0 ft		
9	PSX FAA 704268-40 PSX [IFPA]	N28° 45' 51.9062", W096° 18' 22.2472"	8.0 E	130	15.7	117.3	PSX FAA 704268-40	
ESV:		Bearing [True]: 23.0° to 46.0° Bearing [Mag]: 15.0° to 38.0°				Arc Distance: Out to 67.0 NM Altitude: 4000.0 to 16000.0 ft		
10	VCT FAA 981797-31 VCT [IFPA]	N28° 54' 01.1460", W096° 58' 44.1649"	6.0 E	40	124.6	109.0	VCT FAA 981797-31	
ESV:		Bearing [True]: 55.0° to 191.0° Bearing [Mag]: 49.0° to 185.0°				Arc Distance: Out to 65.0 NM Altitude: 4000.0 to 20000.0 ft		
11	TNV FAA 774965-57 TNV [IFPA]	N30° 17' 18.6954", W096° 03' 29.6635"	8.0 E	130	247.4	115.9	TNV FAA 774965-57	
ESV:		Bearing [True]: 219.0° to 261.0° Bearing [Mag]: 211.0° to 253.0°				Arc Distance: Out to 90.0 NM Altitude: 7000.0 to 16000.0 ft		
12	CSI FAA 766740-20 CSI [IFPA]	N29° 55' 20.4761", W099° 12' 52.1485"	8.0 E	130	2079.3	117.5	CSI FAA 766740-20	
ESV:		Bearing [True]: 68.0° to 127.0° Bearing [Mag]: 60.0° to 119.0°				Arc Distance: Out to 62.0 NM Altitude: 6000.0 to 18000.0 ft		
13	PSX FAA 704268-37 PSX [IFPA]	N28° 45' 51.9062", W096° 18' 22.2472"	8.0 E	130	15.7	117.3	PSX FAA 704268-37	
ESV:		Bearing [True]: 207.0° to 28.0° Bearing [Mag]: 199.0° to 20.0°				Arc Distance: Out to 100.0 NM Altitude: 7000.0 to 20000.0 ft		

# DME DME Assessment Results for BELLR5 path WEMAR\_BELLR

## DME Error



DME DME Assessment Results for BELLR5 path WEMAR\_BELLR

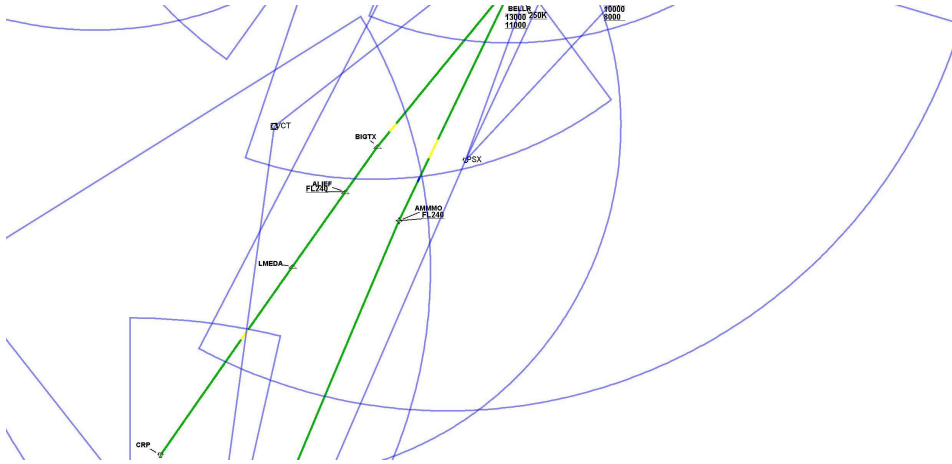
Graphic Depiction 1





# DME DME Assessment Results for BELLR5 path WEMAR\_BELLR

Graphic Depiction 2





# DME DME Assessment Results for BELLR5 path WEMAR\_BELLR

Graphic Depiction 4

