

DME DME Assessment Results for SKNRD5 path AEX_HOWLN

Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Jose G-CTR Medina
Project File:	C:\Users\Jose G-CTR Medina\OneDrive - Federal Aviation Administration\Documents\01. Projects\DME EVALUATIONS\KIAH\SKNRD STAR\SKNRD5 STAR dme screens 20240814.tgs
Output File:	C:\Users\Jose G-CTR Medina\OneDrive - Federal Aviation Administration\Documents\01. Projects\DME EVALUATIONS\KIAH\SKNRD STAR\KIAH [IFPA] SKNRD5 20240814_0846 CDT\AEX_HOWLN\KIAH SKNRD5 RNAV STAR AEX HOWLN 20240814_0846 CDT.pdf
Procedure Name:	SKNRD5
Software: DmeDmePlugin:	7.3.3
Date/Time:	08/14/2024 08:46 CDT
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
AEX	WP	N31° 15' 24.2339", W092° 30' 03.5007"	8000	VNAV	280	FLY_BY	TF
JERNY	WP	N30° 41' 36.2100", W093° 45' 49.2400"	8000	VNAV	280	FLY_BY	TF
BEATL	WP	N30° 32' 45.6300", W094° 05' 18.2200"	8000	VNAV	280	FLY_BY	TF
DOOBI	WP	N30° 24' 01.0200", W094° 24' 19.8900"	8000	VNAV	280	FLY_BY	TF
SKNRD	WP	N30° 16' 58.2200", W094° 41' 31.2900"	8000	VNAV	280	FLY_BY	TF
BFFET	WP	N30° 13' 59.1500", W094° 48' 50.8400"	8000	VNAV	250	FLY_BY	TF
KNGWD	WP	N30° 07' 35.8100", W095° 04' 26.9900"	7000	VNAV	240	FLY_BY	TF
EDEEE	WP	N30° 03' 33.6400", W095° 09' 34.6600"	7000	VNAV	240	FLY_BY	TF
REAPR	WP	N29° 56' 34.3700", W095° 18' 28.9900"	5000	VNAV	240	FLY_BY	TF
SHIVV	WP	N29° 53' 31.4400", W095° 22' 21.9000"	5000	VNAV	240	FLY_BY	TF
HOWLN	WP	N29° 53' 32.2100", W095° 27' 54.9000"	5000	VNAV	210	FLY_OVER	TF

DME DME Assessment Results for SKNRD5 path AEX_HOWLN

Flyability	
Flight Type:	RNAV_STAR
Selected Airport:	KIAH [IFPA]
Climb Gradient:	None assigned
Speeds:	200 Ground Speed to 11000 FT
	240 Ground Speed to 18000 FT
	260 Ground Speed to 24000 FT
	340 Ground Speed above 24000 FT
Descent During a Turn:	Allowed
VNAV Mode:	Flight Plan

DME/DME	
RNP:	RNP 2
Flight Mode:	Manual
Line of Sight (DTED Level 0 Max):	Evaluated
Inertial Drift:	Enabled
Initial Drift:	0.558 NM
INS Drift Rate:	8.0 NM/Hour
Range Mode:	OSV
RNP Edges:	Evaluated
Min DME Range:	3.0 NM
DME Types:	DME, VOR-DME, VORTAC
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	LCH	N30° 08' 29.4490", W093° 06' 20.0490"	7.0 E	130	H	IFPA	NO	Enabled		
2	SWB	N31° 58' 23.5000", W092° 40' 37.5200"	2.0 E	130	DH	IFPA	NO	Enabled		
3	VUH	N29° 16' 09.6039", W094° 52' 03.8108"	6.0 E	130	DH	IFPA	NO	Enabled		
4	BPT	N29° 56' 45.7945", W094° 00' 58.3948"	0.0 E	40	L	IFPA	NO	Enabled		
5	ELA	N29° 39' 44.9259", W096° 19' 01.6411"	0.0 E	130	DH	IFPA	NO	Enabled		
6	AEX	N31° 15' 24.2339", W092° 30' 03.5007"	3.0 E	130	H	IFPA	NO	Enabled		
7	MHF	N29° 32' 46.8350", W094° 44' 51.0460"	7.0 E	130	DL	IFPA	NO	Enabled		
8	DAS	N30° 11' 22.9622", W094° 38' 41.9440"	5.0 E	130	H	IFPA	NO	Enabled		
9	IAH	N29° 57' 24.9013", W095° 20' 44.5885"	5.0 E	130	H	IFPA	NO	Enabled		
10	HEZ	N31° 37' 05.4416", W091° 17' 58.7235"	3.0 E	40	L	IFPA	NO	Enabled		

DME DME Assessment Results for SKNRD5 path AEX_HOWLN

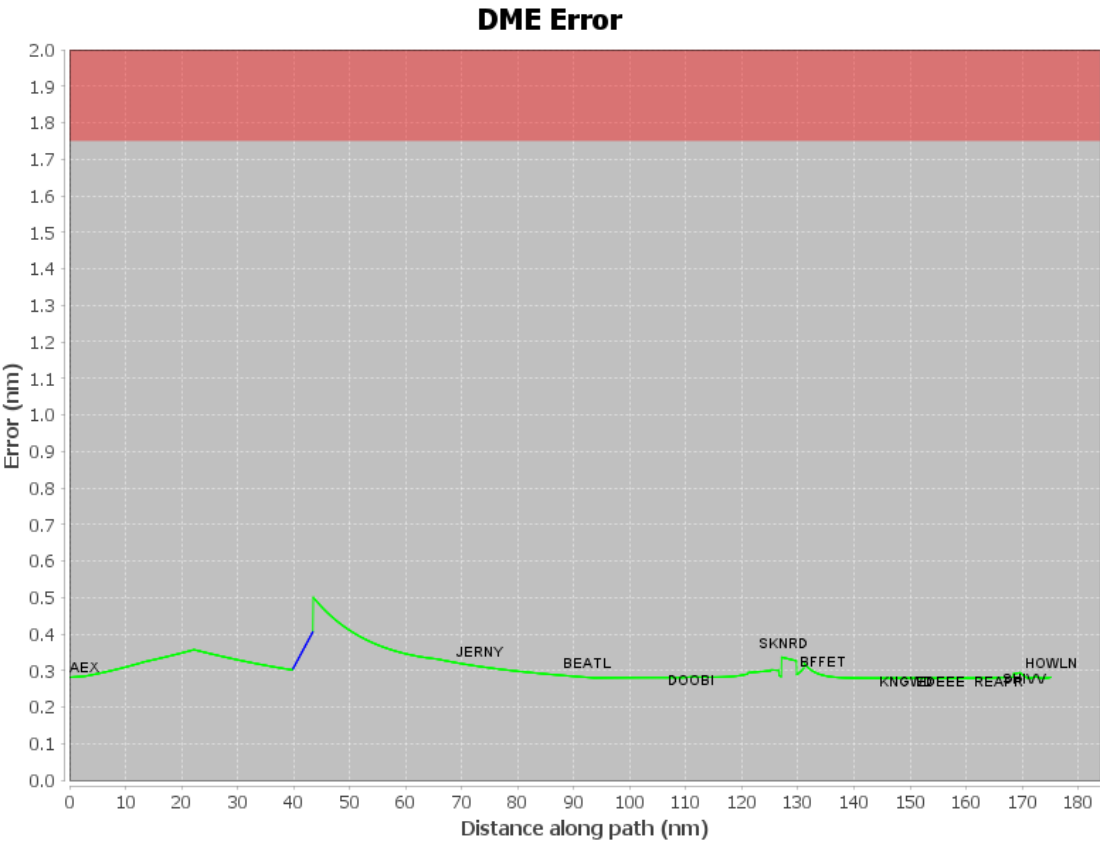
Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	HEZ [IFPA]	SWB [IFPA]	LCH [IFPA]			
3.0	HEZ [IFPA]	SWB [IFPA]	AEX [IFPA]	LCH [IFPA]		
9.2	SWB [IFPA]	AEX [IFPA]				
15.9	SWB [IFPA]	AEX [IFPA]	LCH [IFPA]			
39.9						
43.5	LCH [IFPA]	SWB [IFPA]				
59.4	LCH [IFPA]	SWB [IFPA]	MHF [IFPA]			
76.0	LCH [IFPA]	MHF [IFPA]				
78.9	LCH [IFPA]	MHF [IFPA]	VUH [IFPA]			
89.0	LCH [IFPA]	MHF [IFPA]	DAS [IFPA]	VUH [IFPA]		
92.2	LCH [IFPA]	MHF [IFPA]	VUH [IFPA]	DAS [IFPA]	BPT [IFPA]	
118.9	LCH [IFPA]	MHF [IFPA]	VUH [IFPA]	DAS [IFPA]		
121.0	BPT [IFPA]	DAS [IFPA]	VUH [IFPA]	MHF [IFPA]	ELA [IFPA]	
121.1	LCH [IFPA]	MHF [IFPA]	VUH [IFPA]	DAS [IFPA]	ELA [IFPA]	
125.2	DAS [IFPA]	ELA [IFPA]	MHF [IFPA]	VUH [IFPA]		
125.5	MHF [IFPA]	ELA [IFPA]	VUH [IFPA]			
127.1	MHF [IFPA]	IAH [IFPA]	VUH [IFPA]	ELA [IFPA]		
129.8	IAH [IFPA]	DAS [IFPA]	MHF [IFPA]	ELA [IFPA]	VUH [IFPA]	
164.4	VUH [IFPA]	DAS [IFPA]	ELA [IFPA]	MHF [IFPA]		
167.0	VUH [IFPA]	ELA [IFPA]	MHF [IFPA]			
169.0	VUH [IFPA]	ELA [IFPA]	MHF [IFPA]	IAH [IFPA]		
170.4	VUH [IFPA]	ELA [IFPA]	MHF [IFPA]			
172.0	MHF [IFPA]	IAH [IFPA]	VUH [IFPA]	ELA [IFPA]		

Inertial Drift Segments			
#	Start Location	End Location	Length [NM]
1	N30° 57' 07.6711", W093° 11' 20.4247"	N30° 55' 26.5449", W093° 15' 06.5657"	3.6517

DME DME Assessment Results for SKNRD5 path AEX_HOWLN

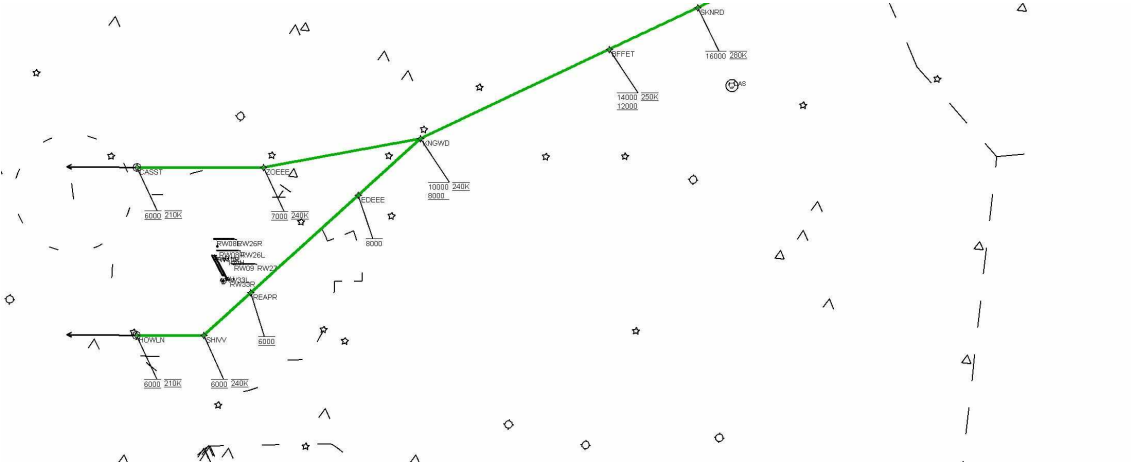
Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
AEX	JERNY	LCH [IFPA], SWB [IFPA], AEX [IFPA], MHF [IFPA], HEZ [IFPA]	
JERNY	BEATL	LCH [IFPA], SWB [IFPA], VUH [IFPA], BPT [IFPA], MHF [IFPA], DAS [IFPA]	
BEATL	DOOBI	LCH [IFPA], BPT [IFPA], VUH [IFPA], MHF [IFPA], DAS [IFPA]	
DOOBI	SKNRD	LCH [IFPA], BPT [IFPA], VUH [IFPA], ELA [IFPA], MHF [IFPA], DAS [IFPA], IAH [IFPA]	
SKNRD	BFFET	VUH [IFPA], ELA [IFPA], MHF [IFPA], DAS [IFPA], IAH [IFPA]	
BFFET	KNGWD	VUH [IFPA], ELA [IFPA], DAS [IFPA], MHF [IFPA], IAH [IFPA]	
KNGWD	EDEEE	VUH [IFPA], ELA [IFPA], DAS [IFPA], MHF [IFPA], IAH [IFPA]	
EDEEE	REAPR	VUH [IFPA], ELA [IFPA], DAS [IFPA], MHF [IFPA], IAH [IFPA]	
REAPR	SHIVV	VUH [IFPA], ELA [IFPA], DAS [IFPA], MHF [IFPA], IAH [IFPA]	
SHIVV	HOWLN	VUH [IFPA], ELA [IFPA], MHF [IFPA], IAH [IFPA]	

User Data Files								
#	File Name							
1	UserDMEsKIAH [IFPA] SKNRD5 RNAV STAR_20240607_1057 CDT.udt							
User DMEs								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	GGG FAA 190508-010 GGG [IFPA]	N32° 25' 03.9211", W094° 45' 11.5002"	7.0 E	130	328.5	112.9	GGG FAA 190508-010	
ESV:		Bearing [True]: 131.0° to 157.0° Bearing [Mag]: 124.0° to 150.0°				Arc Distance: Out to 105.0 NM Altitude: 8000.0 to 18400.0 ft		
2	LCH FAA 704136-79 LCH [IFPA]	N30° 08' 29.4490", W093° 06' 20.0490"	7.0 E	130	20	113.4	LCH FAA 704136-79	
ESV:		Bearing [True]: 266.0° to 29.0° Bearing [Mag]: 259.0° to 22.0°				Arc Distance: Out to 83.0 NM Altitude: 7100.0 to 14600.0 ft		
3	MLU FAA 731790-021 MLU [IFPA]	N32° 31' 00.7658", W092° 02' 09.6503"	3.0 E	40	76.7	117.2	MLU FAA 731790-021	
ESV:		Bearing [True]: 220.0° to 231.0° Bearing [Mag]: 217.0° to 228.0°				Arc Distance: Out to 72.0 NM Altitude: 7900.0 to 18100.0 ft		
4	EMG FAA 850108-018 EMG [IFPA]	N32° 24' 01.4600", W093° 35' 42.5300"	7.0 E	40	155	111.2	EMG FAA 850108-018	
ESV:		Bearing [True]: 182.0° to 195.0° Bearing [Mag]: 175.0° to 188.0°				Arc Distance: Out to 94.0 NM Altitude: 7900.0 to 18200.0 ft		
5	HEZ FAA 815799-009 HEZ [IFPA]	N31° 37' 05.4416", W091° 17' 58.7235"	3.0 E	40	280.2	110.0	HEZ FAA 815799-009	
ESV:		Bearing [True]: 247.0° to 255.0° Bearing [Mag]: 244.0° to 252.0°				Arc Distance: Out to 104.0 NM Altitude: 7900.0 to 18300.0 ft		
6	EMG FAA 850108-020 EMG [IFPA]	N32° 24' 01.4600", W093° 35' 42.5300"	7.0 E	40	155	111.2	EMG FAA 850108-020	
ESV:		Bearing [True]: 109.0° to 141.0° Bearing [Mag]: 102.0° to 134.0°				Arc Distance: Out to 61.0 NM Altitude: 7900.0 to 18200.0 ft		



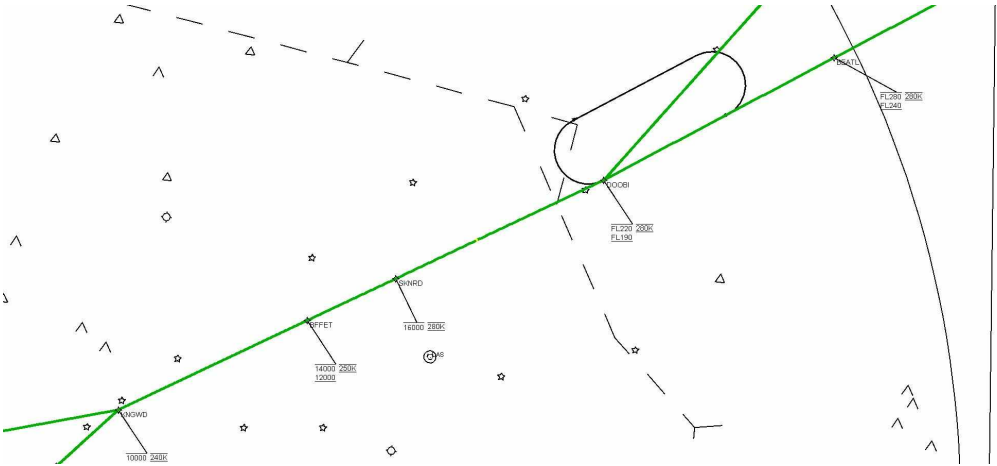
DME DME Assessment Results for SKNRD5 path AEX_HOWLN

Graphic Depiction 1



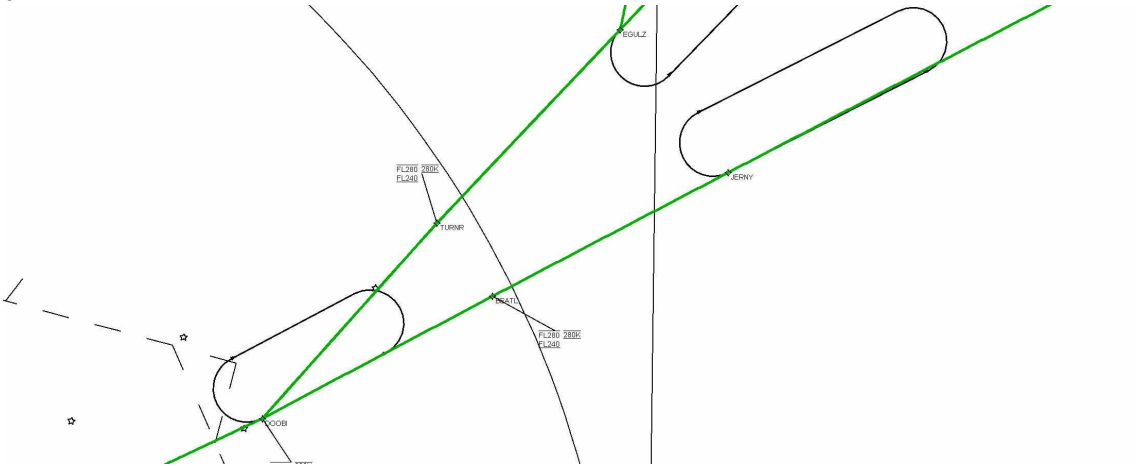
DME DME Assessment Results for SKNRD5 path AEX_HOWL

Graphic Depiction 2



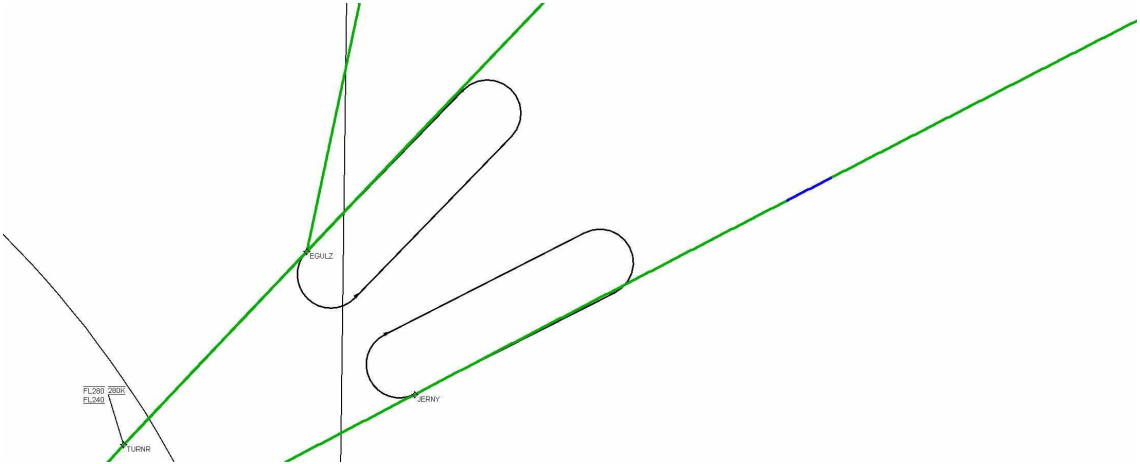
DME DME Assessment Results for SKNRD5 path AEX_HOWL

Graphic Depiction 3

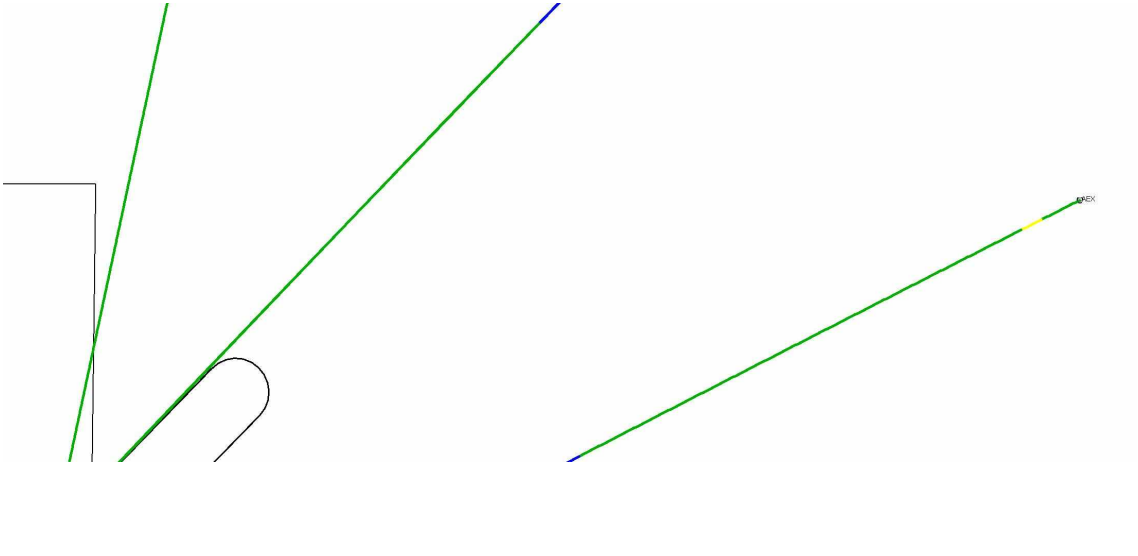


DME DME Assessment Results for SKNRD5 path AEX_HOWLN

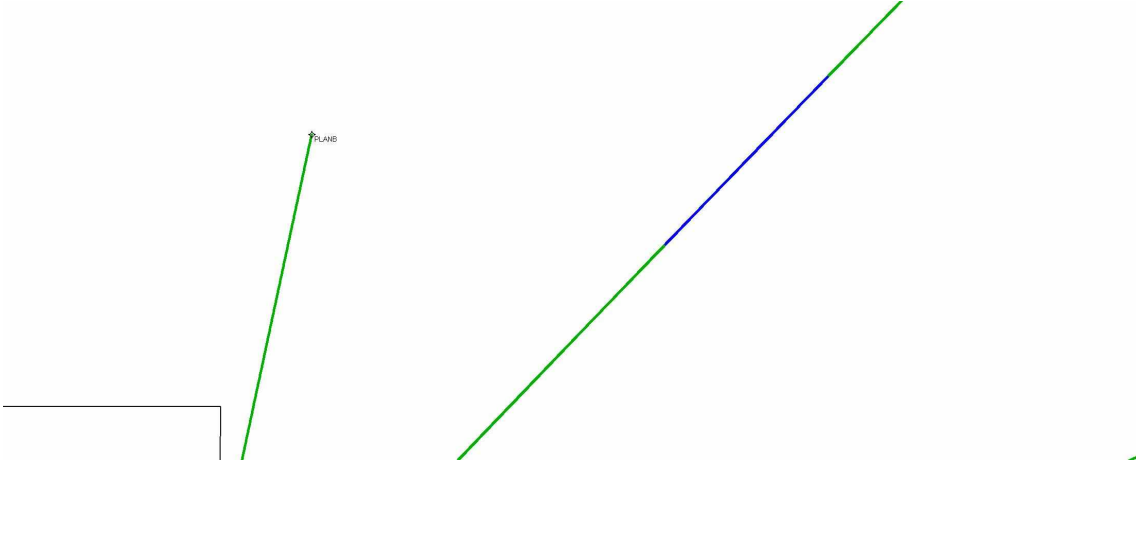
Graphic Depiction 4



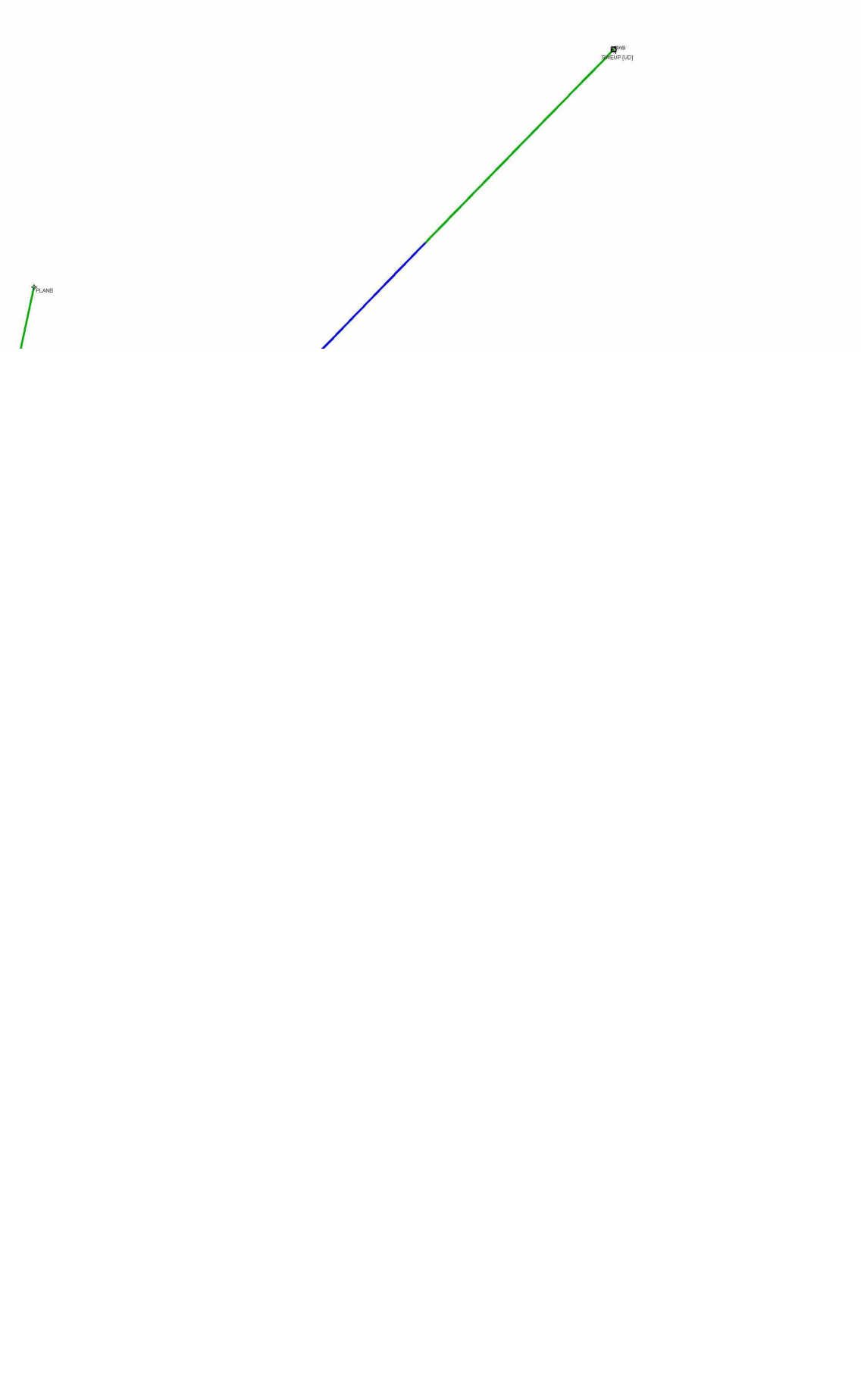
Graphic Depiction 5



Graphic Depiction 6



Graphic Depiction 7



DME DME Assessment Results for SKNRD5 path KNGWD_CASST

Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Jose G-CTR Medina
Project File:	C:\Users\Jose G-CTR Medina\OneDrive - Federal Aviation Administration\Documents\01. Projects\DME EVALUATIONS\KIAH\SKNRD STAR\SKNRD5 STAR dme screens 20240814.tgs
Output File:	C:\Users\Jose G-CTR Medina\OneDrive - Federal Aviation Administration\Documents\01. Projects\DME EVALUATIONS\KIAH\SKNRD STAR\KIAH [IFPA] SKNRD5 20240814_0846 CDT\KNGWD_CASST\KIAH SKNRD5 RNAV STAR KNGWD CASST 20240814_0846 CDT.pdf
Procedure Name:	SKNRD5
Software: DmeDmePlugin:	7.3.3
Date/Time:	08/14/2024 08:46 CDT
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
KNGWD	WP	N30° 07' 35.8100", W095° 04' 26.9900"	7000	VNAV	240	FLY_BY	TF
ZOEEE	WP	N30° 05' 32.5600", W095° 17' 25.1600"	6000	VNAV	240	FLY_BY	TF
CASST	WP	N30° 05' 33.2500", W095° 27' 52.4800"	5000	VNAV	210	FLY_OVER	TF

Flyability

Flight Type:	RNAV_STAR
Selected Airport:	KIAH [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 SKNRD5 path KNGWD_CASST

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		
2	ELA	N29° 39' 44.9259", W096° 19' 01.6411"	0.0 E	130	DH	IFPA	NO	Enabled		
3	TNV	N30° 17' 18.6954", W096° 03' 29.6635"	8.0 E	130	H	IFPA	NO	Enabled		
4	DAS	N30° 11' 22.9622", W094° 38' 41.9440"	5.0 E	130	H	IFPA	NO	Enabled		
5	MHF	N29° 32' 46.8350", W094° 44' 51.0460"	7.0 E	130	DL	IFPA	NO	Enabled		
6	IAH	N29° 57' 24.9013", W095° 20' 44.5885"	5.0 E	130	H	IFPA	NO	Enabled		

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	VUH [IFPA]	DAS [IFPA]	MHF [IFPA]	ELA [IFPA]	IAH [IFPA]	
16.7	VUH [IFPA]	ELA [IFPA]	IAH [IFPA]	MHF [IFPA]	TNV [IFPA]	

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

Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
KNGWD	ZOEEO	VUH [IFPA], ELA [IFPA], DAS [IFPA], MHF [IFPA], IAH [IFPA]	
ZOEEO	CASST	VUH [IFPA], ELA [IFPA], TNV [IFPA], DAS [IFPA], MHF [IFPA], IAH [IFPA]	

DME DME Assessment Results for SKNRD5 path KNGWD_CASST

User Data Files

#	File Name
1	UserDMEsKIAH [IFPA] SKNRD5 RNAV STAR_20240607_1057 CDT.udt

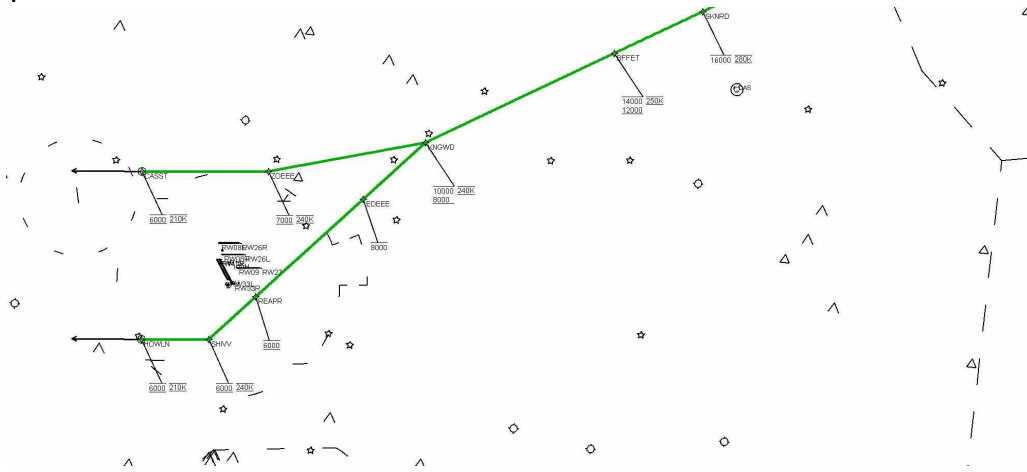
User DMEs

#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	GGG FAA 190508-010 GGG [IFPA]	N32° 25' 03.9211", W094° 45' 11.5002"	7.0 E	130	328.5	112.9	GGG FAA 190508-010	
ESV:		Bearing [True]: 131.0° to 157.0° Bearing [Mag]: 124.0° to 150.0°				Arc Distance: Out to 105.0 NM Altitude: 8000.0 to 18400.0 ft		
2	LCH FAA 704136-79 LCH [IFPA]	N30° 08' 29.4490", W093° 06' 20.0490"	7.0 E	130	20	113.4	LCH FAA 704136-79	
ESV:		Bearing [True]: 266.0° to 29.0° Bearing [Mag]: 259.0° to 22.0°				Arc Distance: Out to 83.0 NM Altitude: 7100.0 to 14600.0 ft		
3	MLU FAA 731790-021 MLU [IFPA]	N32° 31' 00.7658", W092° 02' 09.6503"	3.0 E	40	76.7	117.2	MLU FAA 731790-021	
ESV:		Bearing [True]: 220.0° to 231.0° Bearing [Mag]: 217.0° to 228.0°				Arc Distance: Out to 72.0 NM Altitude: 7900.0 to 18100.0 ft		
4	EMG FAA 850108-018 EMG [IFPA]	N32° 24' 01.4600", W093° 35' 42.5300"	7.0 E	40	155	111.2	EMG FAA 850108-018	
ESV:		Bearing [True]: 182.0° to 195.0° Bearing [Mag]: 175.0° to 188.0°				Arc Distance: Out to 94.0 NM Altitude: 7900.0 to 18200.0 ft		
5	HEZ FAA 815799-009 HEZ [IFPA]	N31° 37' 05.4416", W091° 17' 58.7235"	3.0 E	40	280.2	110.0	HEZ FAA 815799-009	
ESV:		Bearing [True]: 247.0° to 255.0° Bearing [Mag]: 244.0° to 252.0°				Arc Distance: Out to 104.0 NM Altitude: 7900.0 to 18300.0 ft		
6	EMG FAA 850108-020 EMG [IFPA]	N32° 24' 01.4600", W093° 35' 42.5300"	7.0 E	40	155	111.2	EMG FAA 850108-020	
ESV:		Bearing [True]: 109.0° to 141.0° Bearing [Mag]: 102.0° to 134.0°				Arc Distance: Out to 61.0 NM Altitude: 7900.0 to 18200.0 ft		

DME DME Assessment Results for SKNRD5 path KNGWD_CASST

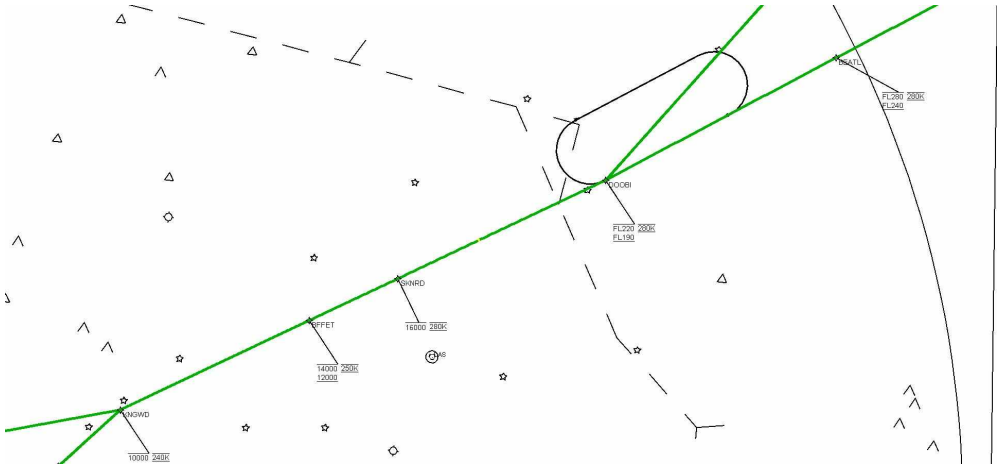


Graphic Depiction 1

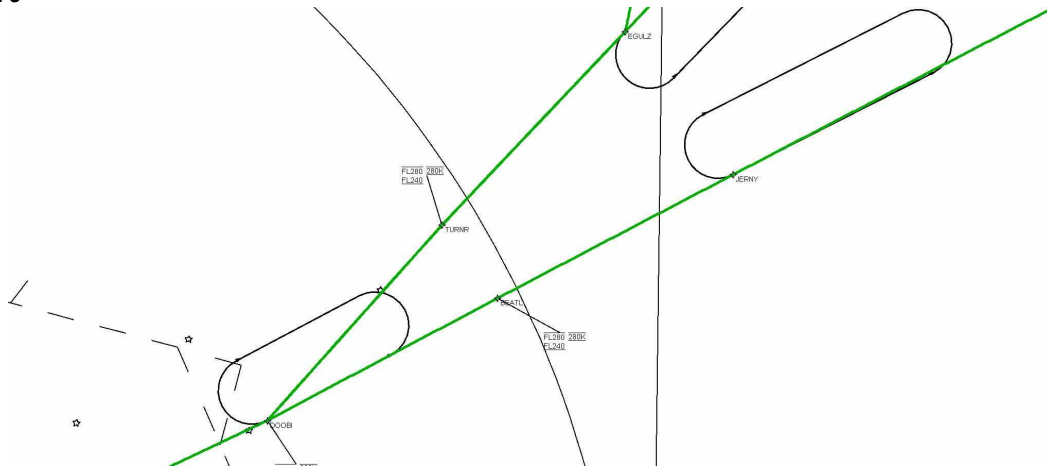


DME DME Assessment Results for SKNRD5 path KNGWD_CASST

Graphic Depiction 2

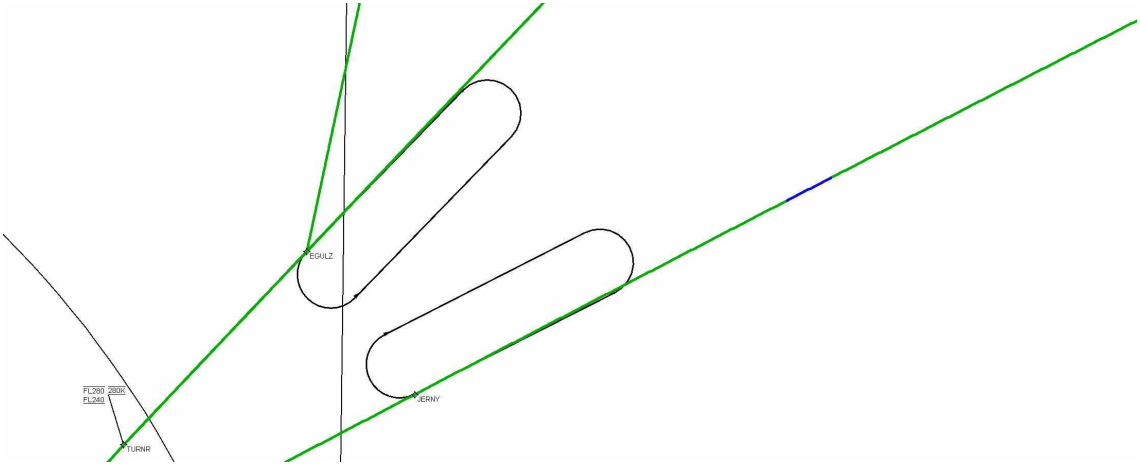


Graphic Depiction 3



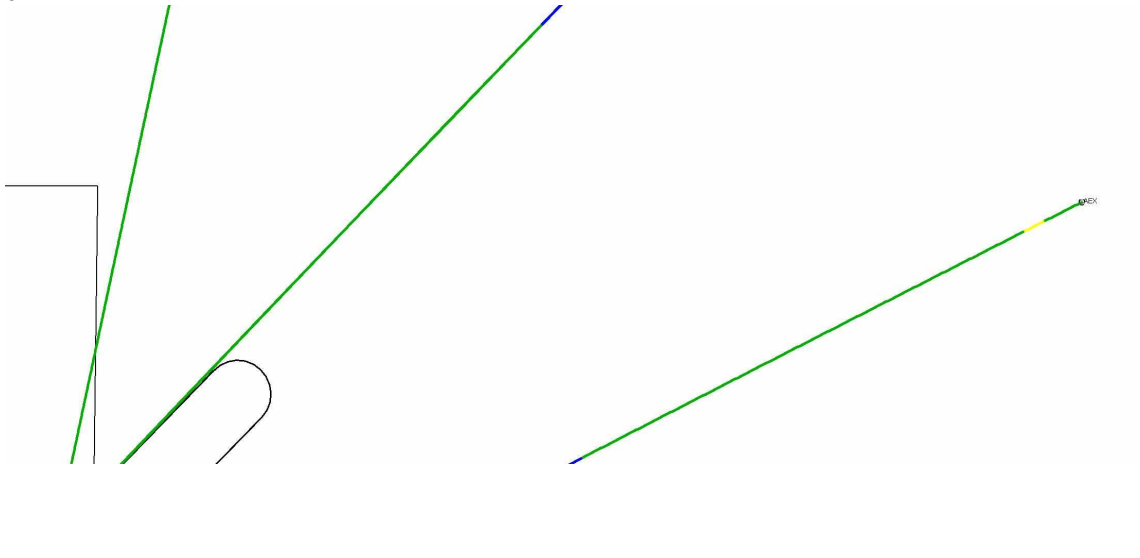
DME DME Assessment Results for SKNRD5 path KNGWD_CASST

Graphic Depiction 4

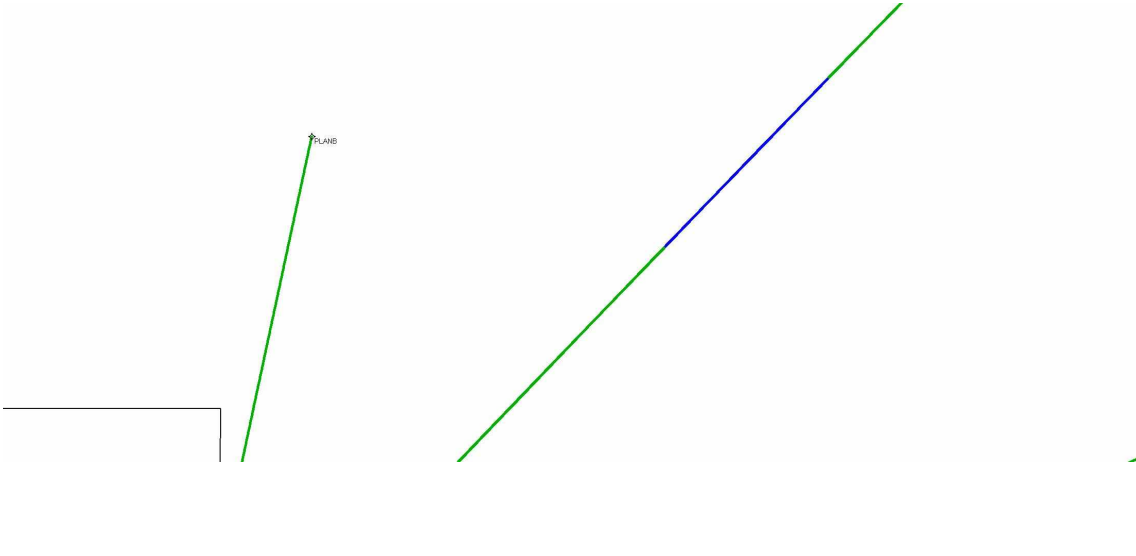


DME DME Assessment Results for SKNRD5 path KNGWD_CASST

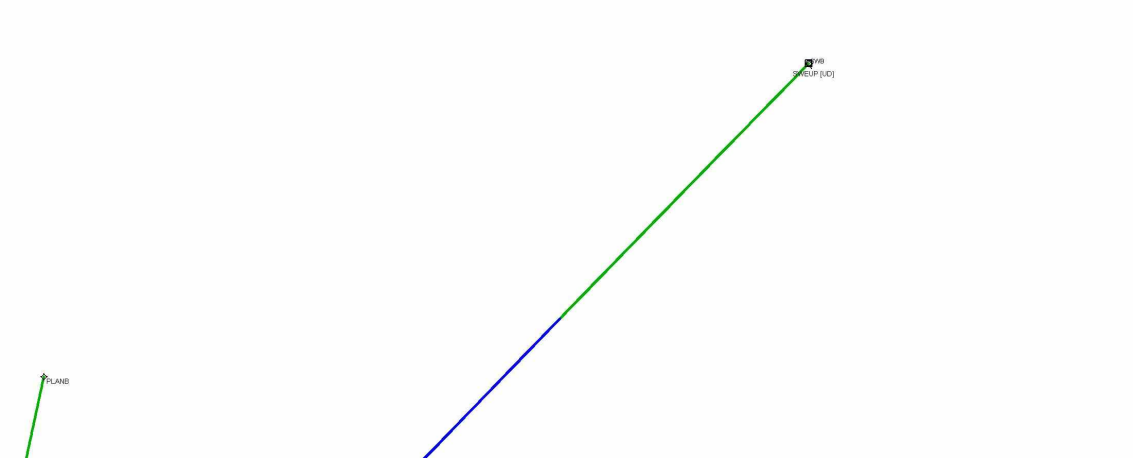
Graphic Depiction 5



Graphic Depiction 6



Graphic Depiction 7



DME DME Assessment Results for SKNRD5 path PLANB_DOOBI

Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Jose G-CTR Medina
Project File:	C:\Users\Jose G-CTR Medina\OneDrive - Federal Aviation Administration\Documents\01. Projects\DME EVALUATIONS\KIAH\SKNRD STAR\SKNRD5 STAR dme screens 20240814.tgs
Output File:	C:\Users\Jose G-CTR Medina\OneDrive - Federal Aviation Administration\Documents\01. Projects\DME EVALUATIONS\KIAH\SKNRD STAR\KIAH [IFPA] SKNRD5 20240814_0846 CDT\PLANB_DOOBI\KIAH SKNRD5 RNAV STAR PLANB DOOBI 20240814_0846 CDT.pdf
Procedure Name:	SKNRD5
Software: DmeDmePlugin:	7.3.3
Date/Time:	08/14/2024 08:46 CDT
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
PLANB	WP	N31° 35' 59.2600", W093° 43' 51.5400"	8000	VNAV	280	FLY_BY	TF
EGULZ	WP	N30° 51' 49.8100", W093° 54' 44.9200"	8000	VNAV	280	FLY_BY	TF
TURNR	WP	N30° 38' 00.1600", W094° 09' 53.1200"	8000	VNAV	280	FLY_BY	TF
DOOBI	WP	N30° 24' 01.0200", W094° 24' 19.8900"	8000	VNAV	280	FLY_BY	TF

Flyability

Flight Type:	RNAV_STAR
Selected Airport:	KIAH [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 SKNRD5 path PLANB_DOOBI

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	LCH	N30° 08' 29.4490", W093° 06' 20.0490"	7.0 E	130	H	IFPA	NO	Enabled		
2	SWB	N31° 58' 23.5000", W092° 40' 37.5200"	2.0 E	130	DH	IFPA	NO	Enabled		
3	VUH	N29° 16' 09.6039", W094° 52' 03.8108"	6.0 E	130	DH	IFPA	NO	Enabled		
4	BPT	N29° 56' 45.7945", W094° 00' 58.3948"	0.0 E	40	L	IFPA	NO	Enabled		
5	MHF	N29° 32' 46.8350", W094° 44' 51.0460"	7.0 E	130	DL	IFPA	NO	Enabled		
6	DAS	N30° 11' 22.9622", W094° 38' 41.9440"	5.0 E	130	H	IFPA	NO	Enabled		
7	GGG	N32° 25' 03.9211", W094° 45' 11.5002"	7.0 E	130	H	IFPA	NO	Enabled		
8	EMG	N32° 24' 01.4600", W093° 35' 42.5300"	7.0 E	40	L	IFPA	NO	Enabled		

DME DME Assessment Results for SKNRD5 path PLANB_DOOBI

Flight Check DME Selection

Distance [NM]	Selected DMEs					Alternate
0.0	GGG [IFPA]	SWB [IFPA]	EMG [IFPA]			
15.7	GGG [IFPA]	SWB [IFPA]	LCH [IFPA]	EMG [IFPA]		
36.0	LCH [IFPA]	SWB [IFPA]	GGG [IFPA]	MHF [IFPA]	EMG [IFPA]	
45.0	LCH [IFPA]	SWB [IFPA]	MHF [IFPA]	EMG [IFPA]		
45.1	LCH [IFPA]	SWB [IFPA]	MHF [IFPA]			
52.2	LCH [IFPA]	MHF [IFPA]				
54.4	LCH [IFPA]	MHF [IFPA]	VUH [IFPA]			
60.7	LCH [IFPA]	DAS [IFPA]	MHF [IFPA]	VUH [IFPA]		
75.1	LCH [IFPA]	MHF [IFPA]	VUH [IFPA]	BPT [IFPA]	DAS [IFPA]	

Inertial Drift Segments

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

Waypoint Before	Waypoint After	DME List	Suggested DMEs
PLANB	EGULZ	LCH [IFPA], SWB [IFPA], MHF [IFPA], GGG [IFPA], EMG [IFPA]	
EGULZ	TURNR	LCH [IFPA], SWB [IFPA], VUH [IFPA], MHF [IFPA], DAS [IFPA]	
TURNR	DOOBI	LCH [IFPA], VUH [IFPA], BPT [IFPA], MHF [IFPA], DAS [IFPA]	

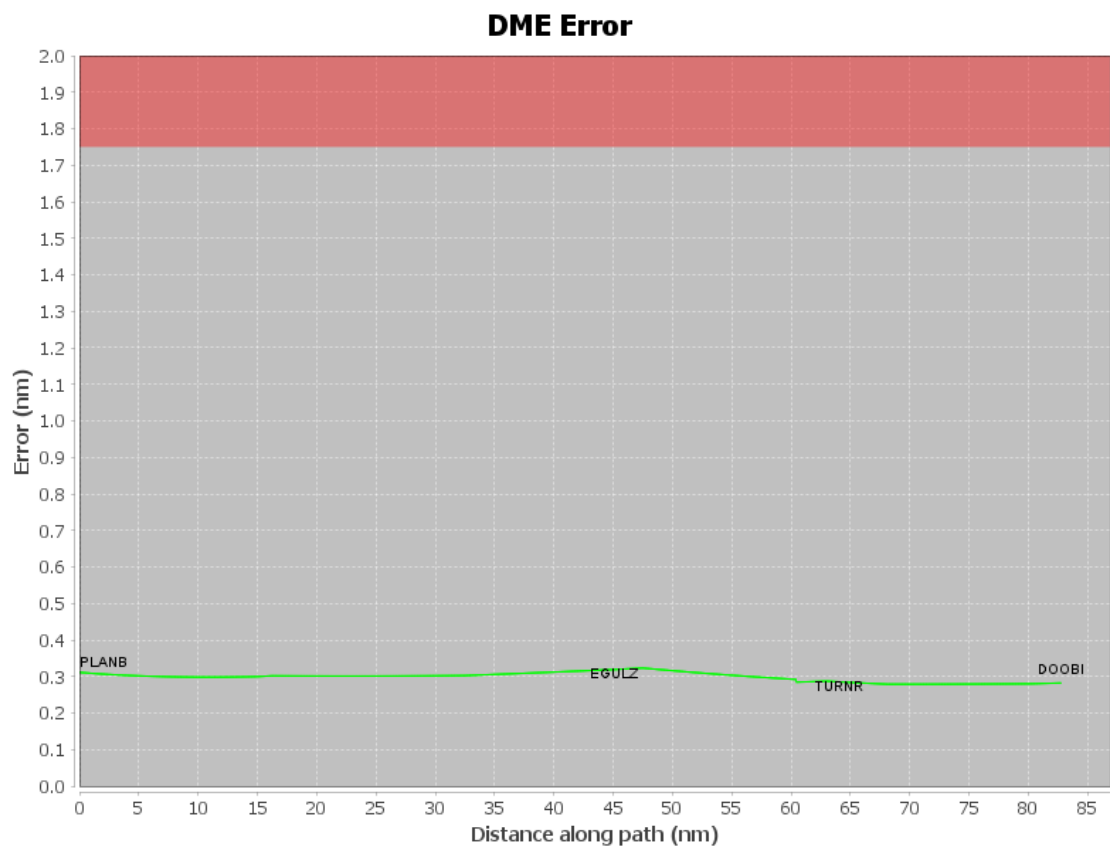
User Data Files

#	File Name
1	UserDMEsKIAH [IFPA] SKNRD5 RNAV STAR_20240607_1057 CDT.udt

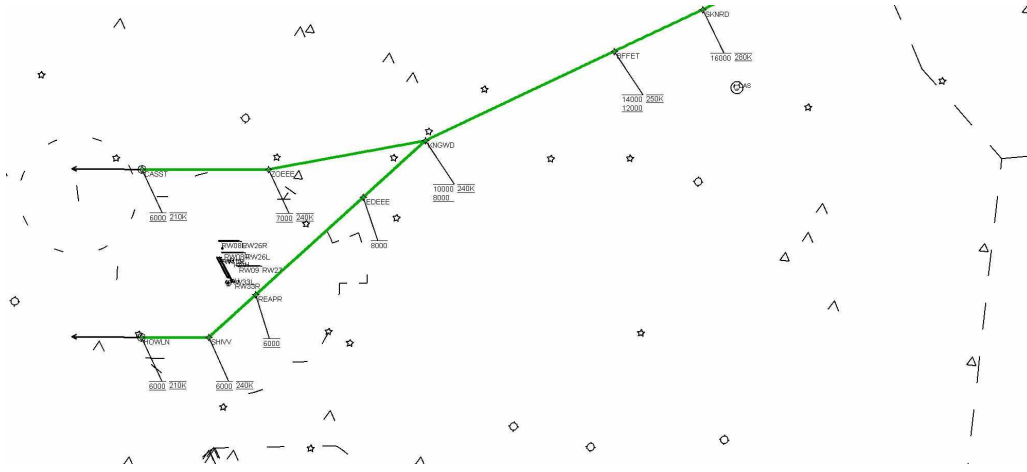
User DMEs

#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	GGG FAA 190508-010 GGG [IFPA]	N32° 25' 03.9211", W094° 45' 11.5002"	7.0 E	130	328.5	112.9	GGG FAA 190508-010	
ESV:		Bearing [True]: 131.0° to 157.0° Bearing [Mag]: 124.0° to 150.0°				Arc Distance: Out to 105.0 NM Altitude: 8000.0 to 18400.0 ft		
2	LCH FAA 704136-79 LCH [IFPA]	N30° 08' 29.4490", W093° 06' 20.0490"	7.0 E	130	20	113.4	LCH FAA 704136-79	
ESV:		Bearing [True]: 266.0° to 29.0° Bearing [Mag]: 259.0° to 22.0°				Arc Distance: Out to 83.0 NM Altitude: 7100.0 to 14600.0 ft		
3	MLU FAA 731790-021 MLU [IFPA]	N32° 31' 00.7658", W092° 02' 09.6503"	3.0 E	40	76.7	117.2	MLU FAA 731790-021	
ESV:		Bearing [True]: 220.0° to 231.0° Bearing [Mag]: 217.0° to 228.0°				Arc Distance: Out to 72.0 NM Altitude: 7900.0 to 18100.0 ft		
4	EMG FAA 850108-018 EMG [IFPA]	N32° 24' 01.4600", W093° 35' 42.5300"	7.0 E	40	155	111.2	EMG FAA 850108-018	
ESV:		Bearing [True]: 182.0° to 195.0° Bearing [Mag]: 175.0° to 188.0°				Arc Distance: Out to 94.0 NM Altitude: 7900.0 to 18200.0 ft		
5	HEZ FAA 815799-009 HEZ [IFPA]	N31° 37' 05.4416", W091° 17' 58.7235"	3.0 E	40	280.2	110.0	HEZ FAA 815799-009	
ESV:		Bearing [True]: 247.0° to 255.0° Bearing [Mag]: 244.0° to 252.0°				Arc Distance: Out to 104.0 NM Altitude: 7900.0 to 18300.0 ft		
6	EMG FAA 850108-020 EMG [IFPA]	N32° 24' 01.4600", W093° 35' 42.5300"	7.0 E	40	155	111.2	EMG FAA 850108-020	
ESV:		Bearing [True]: 109.0° to 141.0° Bearing [Mag]: 102.0° to 134.0°				Arc Distance: Out to 61.0 NM Altitude: 7900.0 to 18200.0 ft		

DME DME Assessment Results for SKNRD5 path PLANB_DOOBI

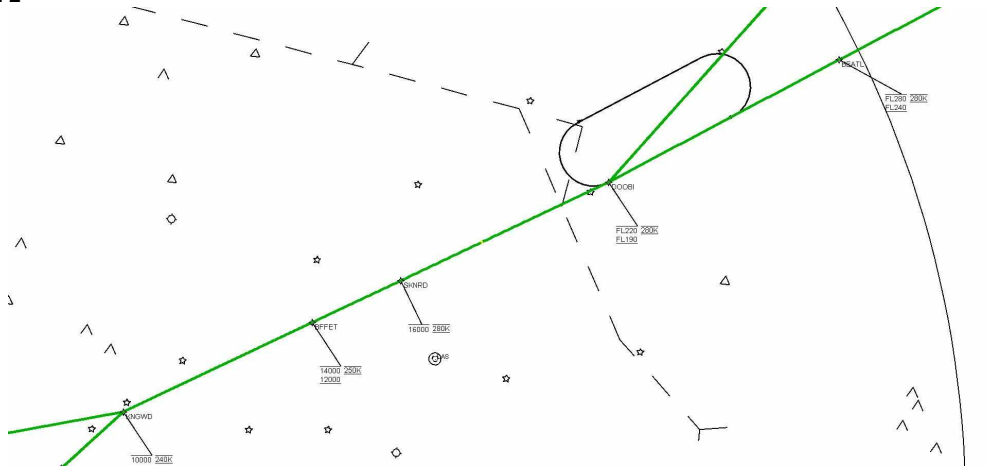


Graphic Depiction 1



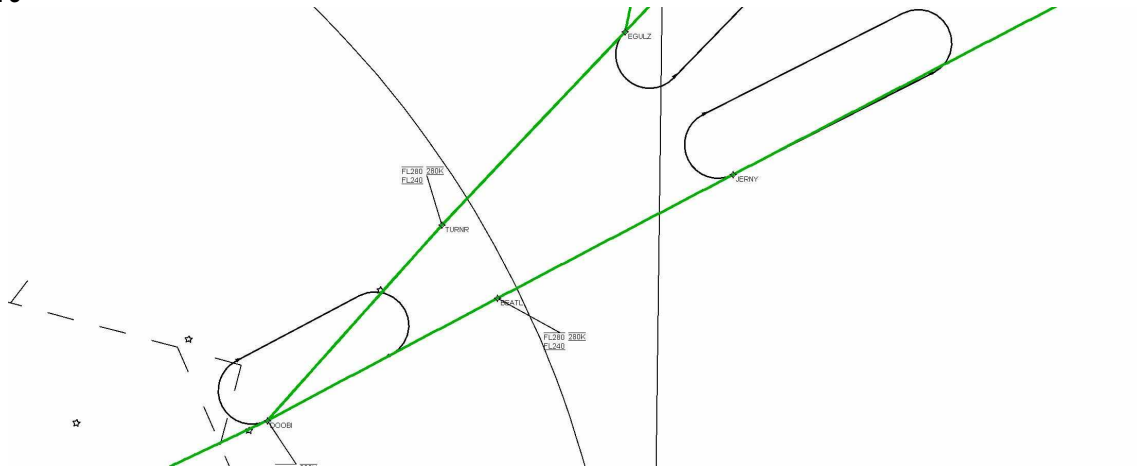
DME DME Assessment Results for SKNRD5 path PLANB_DOOBI

Graphic Depiction 2



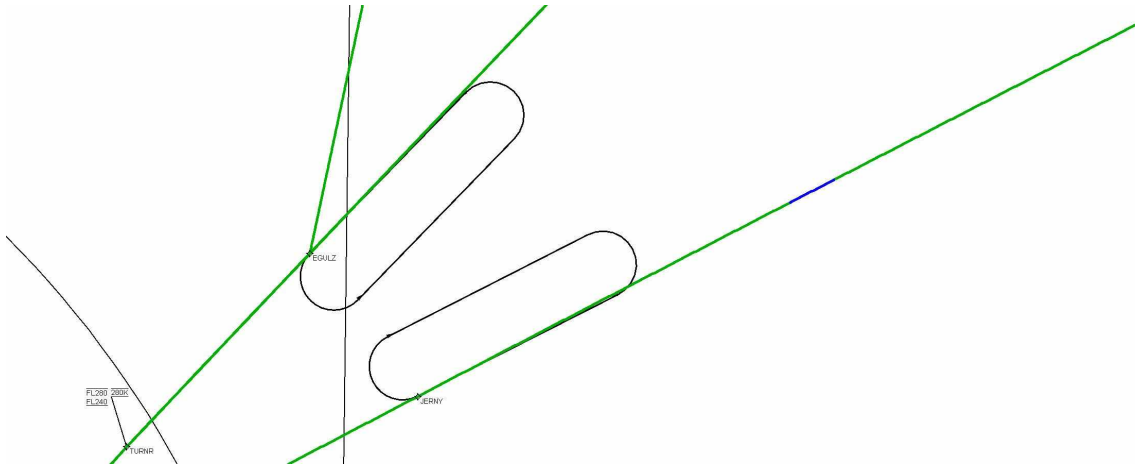
DME DME Assessment Results for SKNRD5 path PLANB_DOOBI

Graphic Depiction 3



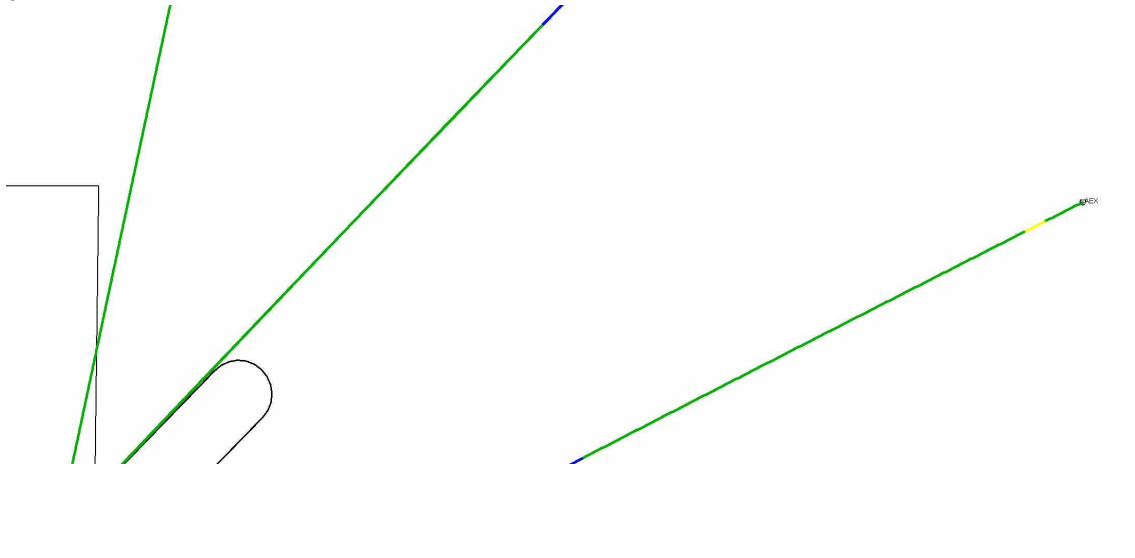
DME DME Assessment Results for SKNRD5 path PLANB_DOABI

Graphic Depiction 4



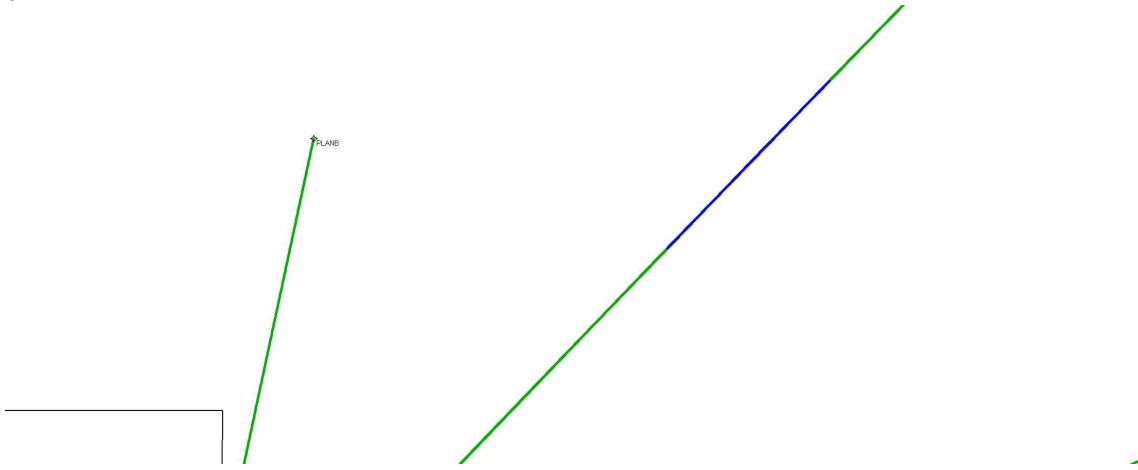
DME DME Assessment Results for SKNRD5 path PLANB_DOOBI

Graphic Depiction 5

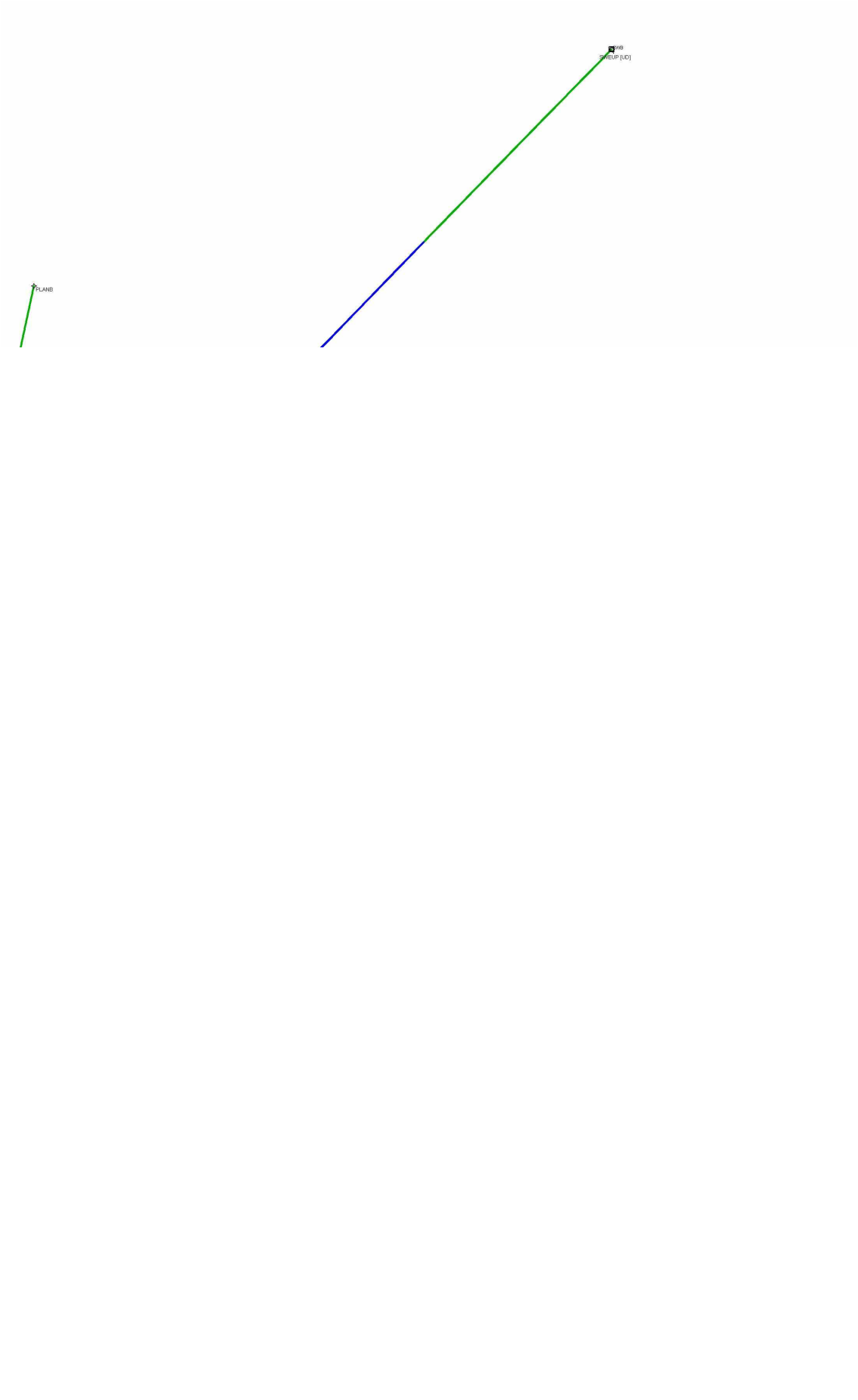


DME DME Assessment Results for SKNRD5 path PLANB_DOOBI

Graphic Depiction 6



Graphic Depiction 7



DME DME Assessment Results for SKNRD5 path SWEUP_EGULZ

Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Jose G-CTR Medina
Project File:	C:\Users\Jose G-CTR Medina\OneDrive - Federal Aviation Administration\Documents\01. Projects\DME EVALUATIONS\KIAH\SKNRD STAR\SKNRD5 STAR dme screens 20240814.tgs
Output File:	C:\Users\Jose G-CTR Medina\OneDrive - Federal Aviation Administration\Documents\01. Projects\DME EVALUATIONS\KIAH\SKNRD STAR\KIAH [IFPA] SKNRD5 20240814_0846 CDT\SWEUP_EGULZ\KIAH SKNRD5 RNAV STAR SWEUP EGULZ 20240814_0846 CDT.pdf
Procedure Name:	SKNRD5
Software: DmeDmePlugin:	7.3.3
Date/Time:	08/14/2024 08:46 CDT
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
SWEUP	WP	N31° 58' 23.0700", W092° 40' 38.0000"	8000	VNAV	280	FLY_BY	TF
EGULZ	WP	N30° 51' 49.8100", W093° 54' 44.9200"	8000	VNAV	280	FLY_BY	TF

Flyability

Flight Type:	RNAV_STAR
Selected Airport:	KIAH [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 SKNRD5 path SWEUP_EGULZ

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	LCH	N30° 08' 29.4490", W093° 06' 20.0490"	7.0 E	130	H	IFPA	NO	Enabled		
2	SWB	N31° 58' 23.5000", W092° 40' 37.5200"	2.0 E	130	DH	IFPA	NO	Enabled		
3	ELD	N33° 15' 22.1537", W092° 44' 38.2119"	7.0 E	130	DH	IFPA	NO	Enabled		
4	MHF	N29° 32' 46.8350", W094° 44' 51.0460"	7.0 E	130	DL	IFPA	NO	Enabled		
5	MLU	N32° 31' 00.7658", W092° 02' 09.6503"	3.0 E	40	L	IFPA	NO	Enabled		
6	EMG	N32° 24' 01.4600", W093° 35' 42.5300"	7.0 E	40	L	IFPA	NO	Enabled		
7	GGG	N32° 25' 03.9211", W094° 45' 11.5002"	7.0 E	130	H	IFPA	NO	Enabled		

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	MLU [IFPA]	EMG [IFPA]	ELD [IFPA]			
3.7	EMG [IFPA]	SWB [IFPA]	MLU [IFPA]	ELD [IFPA]		
20.1	MLU [IFPA]	ELD [IFPA]				
25.2						
41.9	LCH [IFPA]	SWB [IFPA]				
50.4	GGG [IFPA]	SWB [IFPA]	LCH [IFPA]			
76.5	LCH [IFPA]	SWB [IFPA]	GGG [IFPA]	EMG [IFPA]		
82.7	LCH [IFPA]	SWB [IFPA]	MHF [IFPA]	GGG [IFPA]	EMG [IFPA]	
87.9	LCH [IFPA]	SWB [IFPA]	MHF [IFPA]	EMG [IFPA]		
89.6	LCH [IFPA]	SWB [IFPA]	MHF [IFPA]			

DME DME Assessment Results for SKNRD5 path SWEUP_EGULZ

Inertial Drift Segments

#	Start Location	End Location	Length [NM]
1	N31° 40' 11.9005", W093° 01' 08.4479"	N31° 28' 05.9821", W093° 14' 40.5377"	16.7167

Available DMEs by Waypoints

Waypoint Before	Waypoint After	DME List	Suggested DMEs
SWEUP	EGULZ	LCH [IFPA], SWB [IFPA], ELD [IFPA], MHF [IFPA], MLU [IFPA], EMG [IFPA], GGG [IFPA]	

User Data Files

#	File Name
1	UserDMEsKIAH [IFPA] SKNRD5 RNAV STAR_20240607_1057 CDT.udt

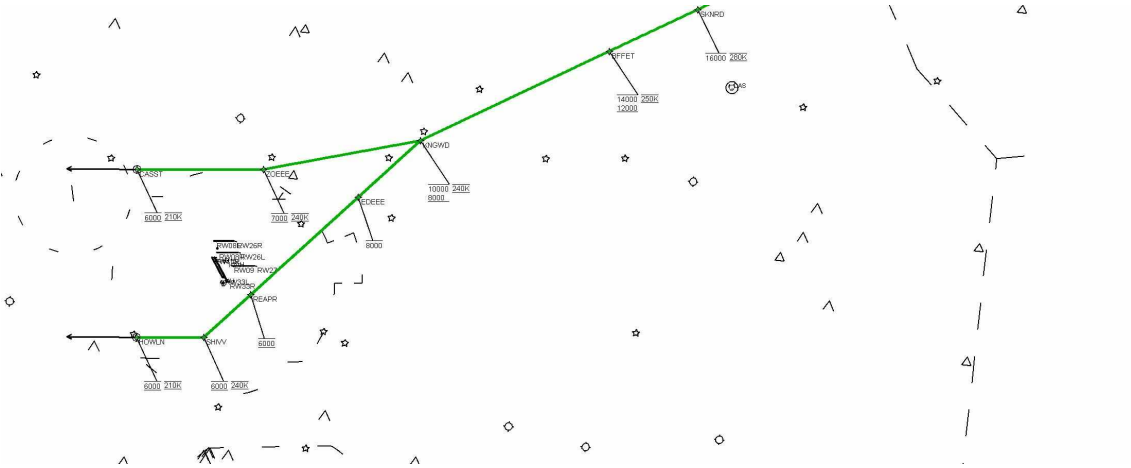
User DMEs

#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	GGG FAA 190508-010 GGG [IFPA]	N32° 25' 03.9211", W094° 45' 11.5002"	7.0 E	130	328.5	112.9	GGG FAA 190508-010	
ESV:		Bearing [True]: 131.0° to 157.0° Bearing [Mag]: 124.0° to 150.0°				Arc Distance: Out to 105.0 NM Altitude: 8000.0 to 18400.0 ft		
2	LCH FAA 704136-79 LCH [IFPA]	N30° 08' 29.4490", W093° 06' 20.0490"	7.0 E	130	20	113.4	LCH FAA 704136-79	
ESV:		Bearing [True]: 266.0° to 29.0° Bearing [Mag]: 259.0° to 22.0°				Arc Distance: Out to 83.0 NM Altitude: 7100.0 to 14600.0 ft		
3	MLU FAA 731790-021 MLU [IFPA]	N32° 31' 00.7658", W092° 02' 09.6503"	3.0 E	40	76.7	117.2	MLU FAA 731790-021	
ESV:		Bearing [True]: 220.0° to 231.0° Bearing [Mag]: 217.0° to 228.0°				Arc Distance: Out to 72.0 NM Altitude: 7900.0 to 18100.0 ft		
4	EMG FAA 850108-018 EMG [IFPA]	N32° 24' 01.4600", W093° 35' 42.5300"	7.0 E	40	155	111.2	EMG FAA 850108-018	
ESV:		Bearing [True]: 182.0° to 195.0° Bearing [Mag]: 175.0° to 188.0°				Arc Distance: Out to 94.0 NM Altitude: 7900.0 to 18200.0 ft		
5	HEZ FAA 815799-009 HEZ [IFPA]	N31° 37' 05.4416", W091° 17' 58.7235"	3.0 E	40	280.2	110.0	HEZ FAA 815799-009	
ESV:		Bearing [True]: 247.0° to 255.0° Bearing [Mag]: 244.0° to 252.0°				Arc Distance: Out to 104.0 NM Altitude: 7900.0 to 18300.0 ft		
6	EMG FAA 850108-020 EMG [IFPA]	N32° 24' 01.4600", W093° 35' 42.5300"	7.0 E	40	155	111.2	EMG FAA 850108-020	
ESV:		Bearing [True]: 109.0° to 141.0° Bearing [Mag]: 102.0° to 134.0°				Arc Distance: Out to 61.0 NM Altitude: 7900.0 to 18200.0 ft		



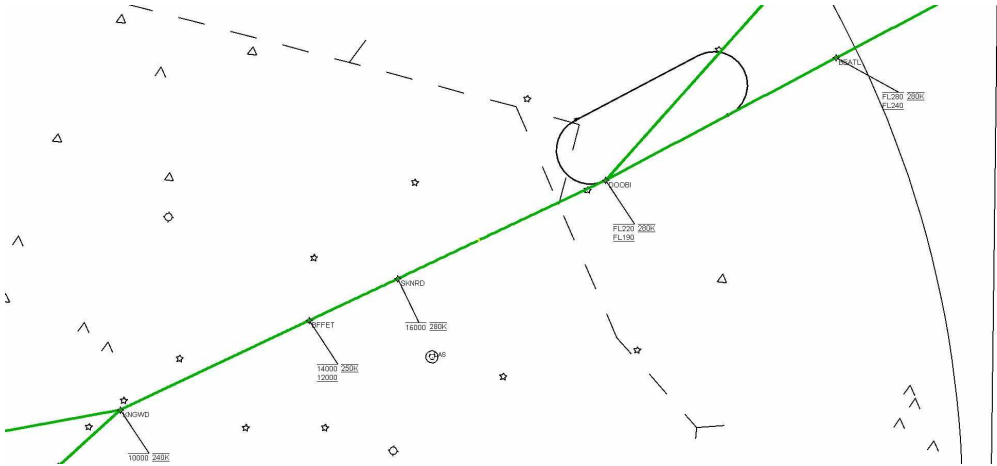
DME DME Assessment Results for SKNRD5 path SWEUP_EGULZ

Graphic Depiction 1



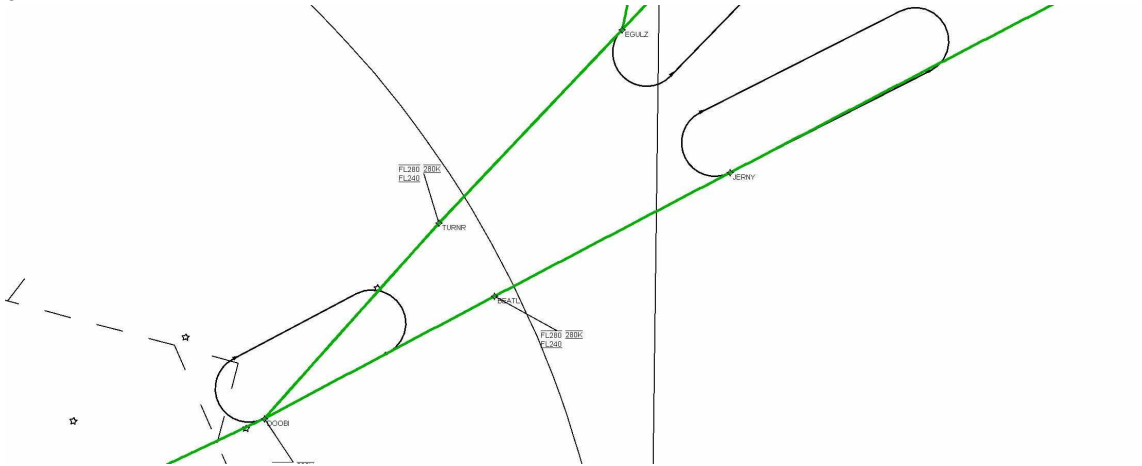
DME DME Assessment Results for SKNRD5 path SWEUP_EGULZ

Graphic Depiction 2



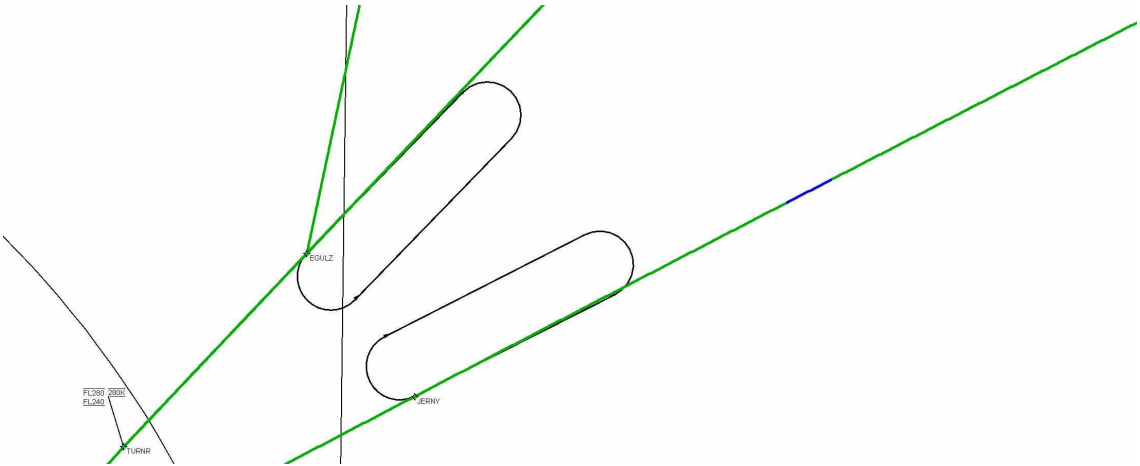
DME DME Assessment Results for SKNRD5 path SWEUP_EGULZ

Graphic Depiction 3



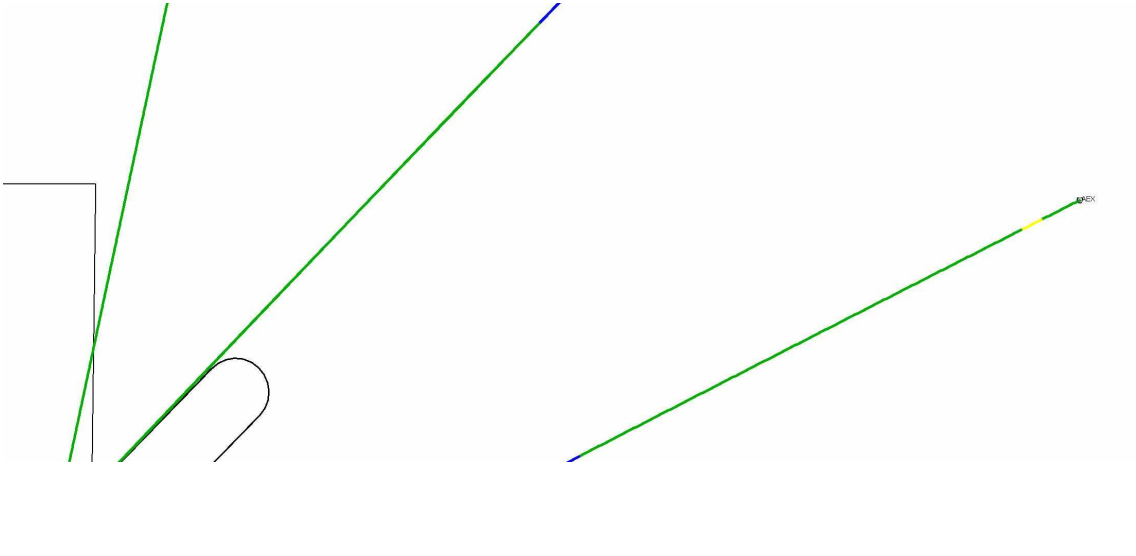
DME DME Assessment Results for SKNRD5 path SWEUP_EGULZ

Graphic Depiction 4

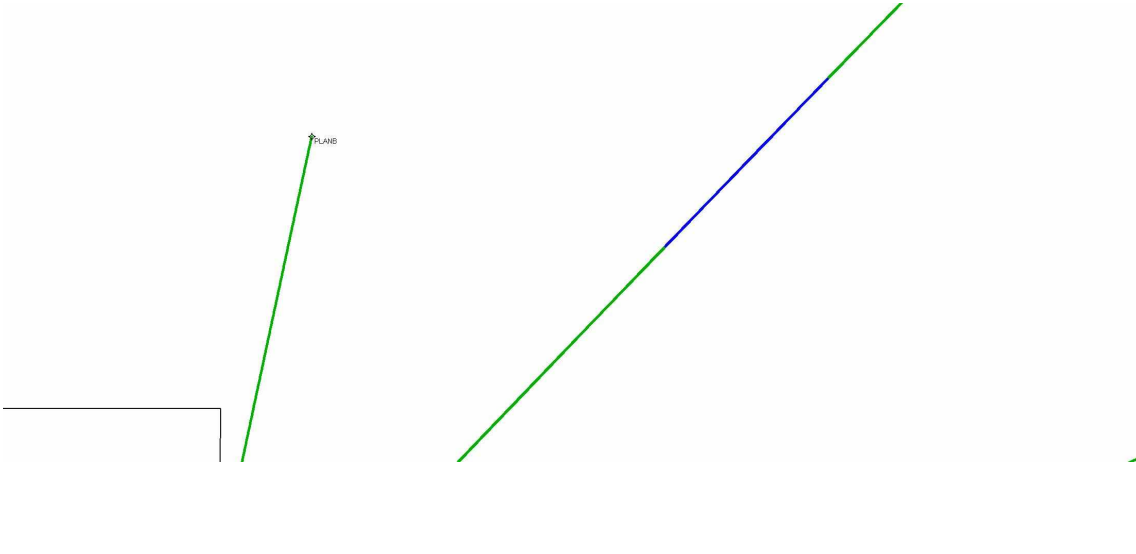


DME DME Assessment Results for SKNRD5 path SWEUP_EGULZ

Graphic Depiction 5



Graphic Depiction 6



Graphic Depiction 7

