

## DME DME Assessment Results for YODUH2 path SITHH\_PRTZY

### Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Lisa A-CTR Thrysoe
Project File:	C:\Users\Lisa A-CTR Thrysoe\OneDrive - Federal Aviation Administration\Desktop\DME DME Screening\SAT\YODUH TWO SID\KSAT YODUH SID DME 2025CD 20241023.tgs
Output File:	C:\Users\Lisa A-CTR Thrysoe\OneDrive - Federal Aviation Administration\Desktop\DME DME Screening\SAT\YODUH TWO SID\KSAT [IFPA] YODUH2 20241023_1357 EDT\SITHH_PRTZYKSAT YODUH2 SID SITHH PRTZY 20241023_1357 EDT.pdf
Procedure Name:	YODUH2
Software: DmeDmePlugin:	7.4.0
Date/Time:	10/23/2024 13:57 EDT
Databases:	MITRE 3DEP 3 arcsec

### Failures

No Failures

### Warnings

No Warnings

### Informational

No Informational

### Notes For Flight Check

None

### Flight Plan

Name	Type	Lat/Lon	Altitude (ft)	VNAV Mode	Ground Speed (kts)	Turn Type	Leg Type
SITHH	WP	N29° 51' 26.6600", W098° 25' 12.9100"	5000	VNAV	200	FLY_BY	TF
YODUH	WP	N30° 04' 23.7000", W098° 23' 33.0500"	7000	VNAV	200	FLY_BY	TF
GJACK	WP	N31° 18' 11.5600", W099° 07' 59.2300"	10000	VNAV	200	FLY_BY	TF
PRTZY	WP	N32° 28' 52.2300", W099° 51' 48.1800"	10000	VNAV	200	FLY_BY	TF

### Flyability

Flight Type:	SID
Selected Airport:	KSAT [IFPA]
Climb Gradient:	None assigned
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 YODUH2 path SITHH\_PRTZY

DME/DME	
RNP:	RNP 2
Flight Mode:	Manual
Line of Sight (DTED Level 0 Max):	Evaluated
Inertial Drift:	Enabled
Initial Drift:	0.558 NM
INS Drift Rate:	8.0 NM/Hour
Range Mode:	OSV
RNP Edges:	Evaluated
Min DME Range:	3.0 NM
DME Types:	DME, VOR-DME, VORTAC, TACAN
DME Include Angles:	30 to 150
Critical DMEs:	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		NO	Enabled	32.5 %	32.5 %
2	AGJ	N31° 11' 07.8162", W098° 08' 30.6883"	5.0 E	130	H		NO	Enabled	37.8 %	37.8 %
3	CWK	N30° 22' 42.7800", W097° 31' 47.4500"	6.0 E	130	H		NO	Enabled	21.4 %	21.4 %
4	SAT	N29° 38' 38.5080", W098° 27' 40.7369"	8.0 E	130	H		NO	Enabled	22.8 %	22.8 %
5	CSI	N29° 55' 20.4761", W099° 12' 52.1485"	8.0 E	130	H		NO	Enabled	37.5 %	37.5 %
6	ABI	N32° 28' 52.7901", W099° 51' 48.4333"	10.0 E	130	H		NO	Enabled	20.1 %	20.1 %
7	MQP	N32° 43' 34.2500", W097° 59' 50.7900"	9.0 E	130	H		NO	Enabled	27.1 %	27.1 %
8	LLO	N30° 47' 46.8312", W098° 47' 14.5992"	8.0 E	40	L		NO	Enabled	38.4 %	38.4 %
9	BWD	N31° 53' 33.2971", W098° 57' 26.8567"	8.0 E	40	L		NO	Enabled	29.7 %	29.7 %

# DME DME Assessment Results for YODUH2 path SITHH\_PRTZY

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	CWK	STV	CSI	SAT		
6.4	CSI	SAT	STV			
6.5	CSI	SAT	AGJ	STV		
19.9	STV	SAT	CSI			
20.2	STV	SAT				
21.4	STV	SAT	LLO			
25.7	CWK	SAT	STV	LLO		
27.4	SAT	CWK	STV	LLO	CSI	
40.1	CWK	STV	CSI	LLO		
57.2						
68.7	CSI	LLO				
78.8	AGJ	CSI	LLO			
84.9	AGJ	LLO				
95.0	AGJ	BWD	LLO			
100.4	AGJ	BWD				
119.4	AGJ	BWD	MQP			
131.9						
136.1	BWD	ABI	MQP			
151.5	MQP	ABI				
171.4						

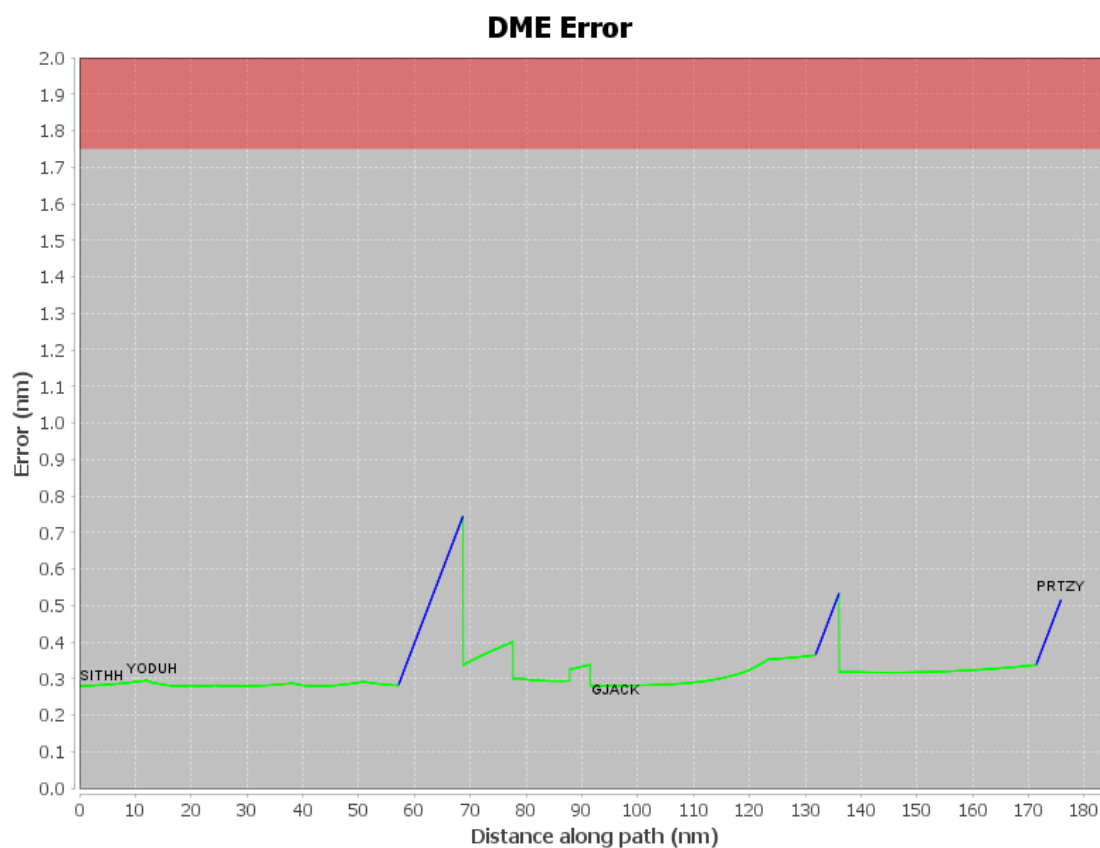
Inertial Drift Segments			
#	Start Location	End Location	Length [NM]
1	N30° 43' 41.8891", W098° 47' 03.3789"	N30° 53' 58.1299", W098° 53' 15.5076"	11.5555
2	N31° 49' 59.9071", W099° 27' 32.7950"	N31° 53' 44.2100", W099° 29' 51.7400"	4.2197
3	N32° 24' 59.5134", W099° 49' 21.8952"	N32° 28' 52.2300", W099° 51' 48.1800"	4.3862

Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
SITHH	YODUH	STV, AGJ, CWK, SAT, CSI	
YODUH	GJACK	STV, AGJ, CWK, SAT, CSI, LLO, BWD	
GJACK	PRTZY	AGJ, ABI, MQP, BWD, LLO	

# DME DME Assessment Results for YODUH2 path SITHH\_PRTZY

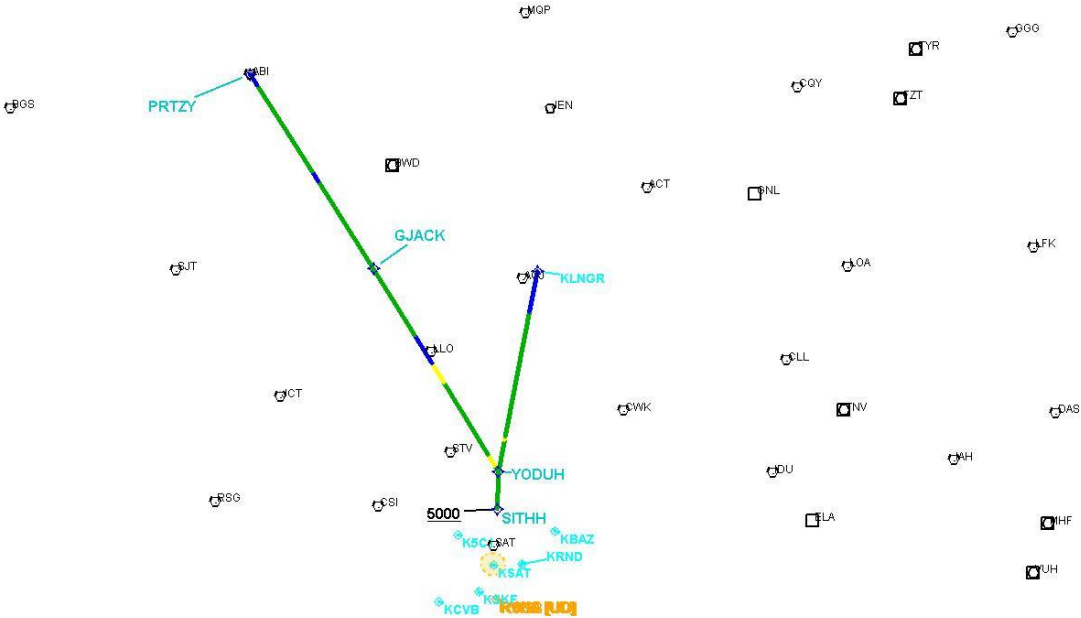
User Data Files								
#	File Name							
None								
User DMEs								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	SAT FAA 698220-38 SAT	N29° 38' 38.5080", W098° 27' 40.7369"	8.0 E	130	1158.8	116.8	SAT FAA 698220-38	
ESV:		Bearing [True]: 334.0° to 37.0° Bearing [Mag]: 326.0° to 29.0°				Arc Distance: Out to 52.0 NM Altitude: 3700.0 to 15700.0 ft		
2	ESV AGJ [IFPA] AGJ	N31° 11' 07.8162", W098° 08' 30.6883"	5.0 E	130	1190.8	112.5	ESV AGJ [IFPA]	
ESV:		Bearing [True]: 258.0° to 310.0° Bearing [Mag]: 253.0° to 305.0°				Arc Distance: Out to 80.0 NM Altitude: 6000.0 to 17500.0 ft		
3	MQP FAA 698238-72 MQP	N32° 43' 34.2500", W097° 59' 50.7900"	9.0 E	130	900	117.7	MQP FAA 698238-72	
ESV:		Bearing [True]: 113.0° to 266.0° Bearing [Mag]: 104.0° to 257.0°				Arc Distance: Out to 98.0 NM Altitude: 6000.0 to 15400.0 ft		
4	CSI FAA 766740-20 CSI	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 16600.0 ft		
5	CWK FAA 970907-50 CWK	N30° 22' 42.7800", W097° 31' 47.4500"	6.0 E	130	593.2	112.8	CWK FAA 970907-50	
ESV:		Bearing [True]: 232.0° to 244.0° Bearing [Mag]: 226.0° to 238.0°				Arc Distance: Out to 59.0 NM Altitude: 4900.0 to 15100.0 ft		
6	CSI FAA 766740-18 CSI	N29° 55' 20.4761", W099° 12' 52.1485"	8.0 E	130	2079.3	117.5	CSI FAA 766740-18	
ESV:		Bearing [True]: 85.0° to 102.0° Bearing [Mag]: 77.0° to 94.0°				Arc Distance: Out to 75.0 NM Altitude: 4500.0 to 16600.0 ft		
7	AGJ FAA 767088-41 AGJ	N31° 11' 07.8162", W098° 08' 30.6883"	5.0 E	130	1190.8	112.5	AGJ FAA 767088-41	
ESV:		Bearing [True]: 164.0° to 195.0° Bearing [Mag]: 159.0° to 190.0°				Arc Distance: Out to 97.0 NM Altitude: 6000.0 to 15700.0 ft		
8	CSI FAA 766740-22 CSI	N29° 55' 20.4761", W099° 12' 52.1485"	8.0 E	130	2079.3	117.5	CSI FAA 766740-22	
ESV:		Bearing [True]: 360.0° to 59.0° Bearing [Mag]: 352.0° to 51.0°				Arc Distance: Out to 76.0 NM Altitude: 7800.0 to 16600.0 ft		
9	CWK FAA 970907-37 CWK	N30° 22' 42.7800", W097° 31' 47.4500"	6.0 E	130	593.2	112.8	CWK FAA 970907-37	
ESV:		Bearing [True]: 261.0° to 310.0° Bearing [Mag]: 255.0° to 304.0°				Arc Distance: Out to 71.0 NM Altitude: 3500.0 to 15100.0 ft		

# DME DME Assessment Results for YODUH2 path SITHH\_PRTZY



DME DME Assessment Results for YODUH2 path SITHH\_PRTZY

Graphic Depiction 1



DME DME Assessment Results for YODUH2 path YODUH\_KLNGR

Results Summary	
Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Lisa A-CTR Thrysoe
Project File:	C:\Users\Lisa A-CTR Thrysoe\OneDrive - Federal Aviation Administration\Desktop\DME DME Screening\SAT\YODUH TWO SID\KSAT YODUH SID DME 2025CD 20241023.tgs
Output File:	C:\Users\Lisa A-CTR Thrysoe\OneDrive - Federal Aviation Administration\Desktop\DME DME Screening\SAT\YODUH TWO SID\KSAT [IFPA] YODUH2 20241023_1357 EDT\YODUH_KLNGR\KSAT YODUH2 SID YODUH KLNGR 20241023_1357 EDT.pdf
Procedure Name:	YODUH2
Software: DmeDmePlugin:	7.4.0
Date/Time:	10/23/2024 13:57 EDT
Databases:	MITRE 3DEP 3 arcsec

Failures
No Failures

Warnings
No Warnings

Informational
No Informational

Notes For Flight Check
None

Flight Plan							
Name	Type	Lat/Lon	Altitude (ft)	VNAV Mode	Ground Speed (kts)	Turn Type	Leg Type
YODUH	WP	N30° 04' 23.7000", W098° 23' 33.0500"	7000	VNAV	200	FLY_BY	TF
KLNGR	WP	N31° 13' 24.7900", W098° 02' 19.8500"	10000	VNAV	200	FLY_BY	TF

Flyability	
Flight Type:	SID
Selected Airport:	KSAT [IFPA]
Climb Gradient:	None assigned
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 YODUH2 path YODUH\_KLNGR

DME/DME	
RNP:	RNP 2
Flight Mode:	Manual
Line of Sight (DTED Level 0 Max):	Evaluated
Inertial Drift:	Enabled
Initial Drift:	0.558 NM
INS Drift Rate:	8.0 NM/Hour
Range Mode:	OSV
RNP Edges:	Evaluated
Min DME Range:	3.0 NM
DME Types:	DME, VOR-DME, VORTAC, TACAN
DME Include Angles:	30 to 150
Critical DMEs:	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		NO	Enabled	52.1 %	52.1 %
2	AGJ	N31° 11' 07.8162", W098° 08' 30.6883"	5.0 E	130	H		NO	Enabled	77.8 %	77.8 %
3	CWK	N30° 22' 42.7800", W097° 31' 47.4500"	6.0 E	130	H		NO	Enabled	44.2 %	44.2 %
4	SAT	N29° 38' 38.5080", W098° 27' 40.7369"	8.0 E	130	H		NO	Enabled	35.9 %	35.9 %
5	CSI	N29° 55' 20.4761", W099° 12' 52.1485"	8.0 E	130	H		NO	Enabled	35.3 %	35.3 %
6	LLO	N30° 47' 46.8312", W098° 47' 14.5992"	8.0 E	40	L		NO	Enabled	57 %	57 %

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	AGJ	STV	SAT	CSI		
6.4	STV	SAT	AGJ			
11.2	STV	SAT	LLO			
12.3	STV	SAT	AGJ			
13.7	AGJ	CWK	SAT	STV		
16.9	AGJ	CWK	SAT	STV	LLO	
25.7	AGJ	CWK	STV	LLO	CSI	
37.2	LLO	AGJ	CWK	CSI		
43.1	LLO	AGJ	CWK			
45.3	LLO	AGJ				
56.6						

Inertial Drift Segments			
#	Start Location	End Location	Length [NM]
1	N30° 59' 13.1207", W098° 06' 44.2859"	N31° 13' 24.7900", W098° 02' 19.8500"	14.6594



# DME DME Assessment Results for YODUH2 path YODUH\_KLNGR

## Available DMEs by Waypoints

Waypoint Before	Waypoint After	DME List	Suggested DMEs
YODUH	KLNGR	STV, AGJ, CWK, SAT, CSI, LLO	

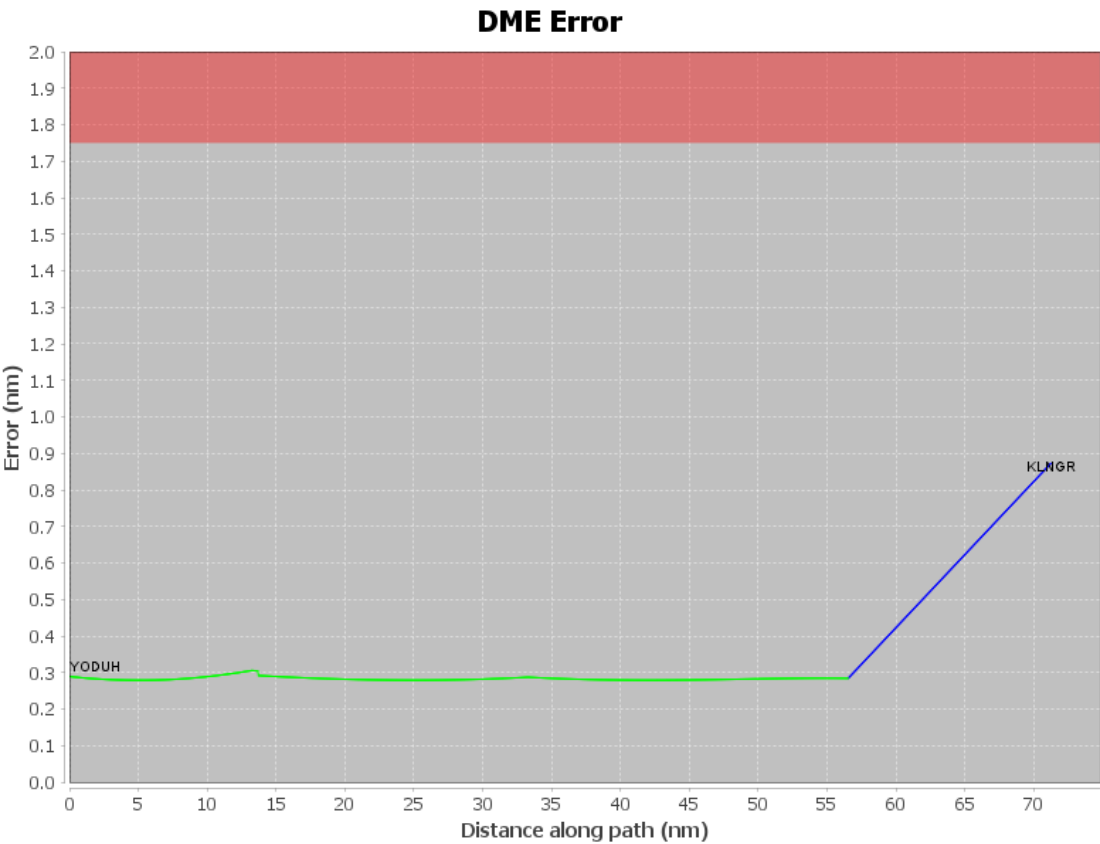
## User Data Files

#	File Name
	None

## User DMEs

#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	SAT FAA 698220-38 SAT	N29° 38' 38.5080", W098° 27' 40.7369"	8.0 E	130	1158.8	116.8	SAT FAA 698220-38	
	ESV:	Bearing [True]: 334.0° to 37.0° Bearing [Mag]: 326.0° to 29.0°				Arc Distance: Out to 52.0 NM Altitude: 3700.0 to 15700.0 ft		
2	ESV AGJ [IFPA] AGJ	N31° 11' 07.8162", W098° 08' 30.6883"	5.0 E	130	1190.8	112.5	ESV AGJ [IFPA]	
	ESV:	Bearing [True]: 258.0° to 310.0° Bearing [Mag]: 253.0° to 305.0°				Arc Distance: Out to 80.0 NM Altitude: 6000.0 to 17500.0 ft		
3	MQP FAA 698238-72 MQP	N32° 43' 34.2500", W097° 59' 50.7900"	9.0 E	130	900	117.7	MQP FAA 698238-72	
	ESV:	Bearing [True]: 113.0° to 266.0° Bearing [Mag]: 104.0° to 257.0°				Arc Distance: Out to 98.0 NM Altitude: 6000.0 to 15400.0 ft		
4	CSI FAA 766740-20 CSI	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 16600.0 ft		
5	CWK FAA 970907-50 CWK	N30° 22' 42.7800", W097° 31' 47.4500"	6.0 E	130	593.2	112.8	CWK FAA 970907-50	
	ESV:	Bearing [True]: 232.0° to 244.0° Bearing [Mag]: 226.0° to 238.0°				Arc Distance: Out to 59.0 NM Altitude: 4900.0 to 15100.0 ft		
6	CSI FAA 766740-18 CSI	N29° 55' 20.4761", W099° 12' 52.1485"	8.0 E	130	2079.3	117.5	CSI FAA 766740-18	
	ESV:	Bearing [True]: 85.0° to 102.0° Bearing [Mag]: 77.0° to 94.0°				Arc Distance: Out to 75.0 NM Altitude: 4500.0 to 16600.0 ft		
7	AGJ FAA 767088-41 AGJ	N31° 11' 07.8162", W098° 08' 30.6883"	5.0 E	130	1190.8	112.5	AGJ FAA 767088-41	
	ESV:	Bearing [True]: 164.0° to 195.0° Bearing [Mag]: 159.0° to 190.0°				Arc Distance: Out to 97.0 NM Altitude: 6000.0 to 15700.0 ft		
8	CSI FAA 766740-22 CSI	N29° 55' 20.4761", W099° 12' 52.1485"	8.0 E	130	2079.3	117.5	CSI FAA 766740-22	
	ESV:	Bearing [True]: 360.0° to 59.0° Bearing [Mag]: 352.0° to 51.0°				Arc Distance: Out to 76.0 NM Altitude: 7800.0 to 16600.0 ft		
9	CWK FAA 970907-37 CWK	N30° 22' 42.7800", W097° 31' 47.4500"	6.0 E	130	593.2	112.8	CWK FAA 970907-37	
	ESV:	Bearing [True]: 261.0° to 310.0° Bearing [Mag]: 255.0° to 304.0°				Arc Distance: Out to 71.0 NM Altitude: 3500.0 to 15100.0 ft		

DME DME Assessment Results for YODUH2 path YODUH\_KLNGR



### Graphic Depiction 1

