

**Name:** MARK SCHOENHOFF  
**Project Name:** ACR  
**Output File:** NC\_SC Q172 WEST  
Q-ROUTE RAPZZ YUTEE  
20180409\_1259  
**Procedure Name:** Q172  
**Software:** RNAV-Pro™  
**Version:** 2.39g  
**Date/Time:** 4/9/2018 1:00:13 PM  
**Input File:** NC\_SC Q172 WEST  
RAPZZ YUTEE  
20180409\_1245.txt  
**Databases:** AIRNAV Date: 4/6/2018  
CIFP Date: 11/9/2017  
DTED® (MAX) Date: 2002

## Results Summary:

**Flyability**



**DME/DME**



No Critical DMEs Exist

**Radars**

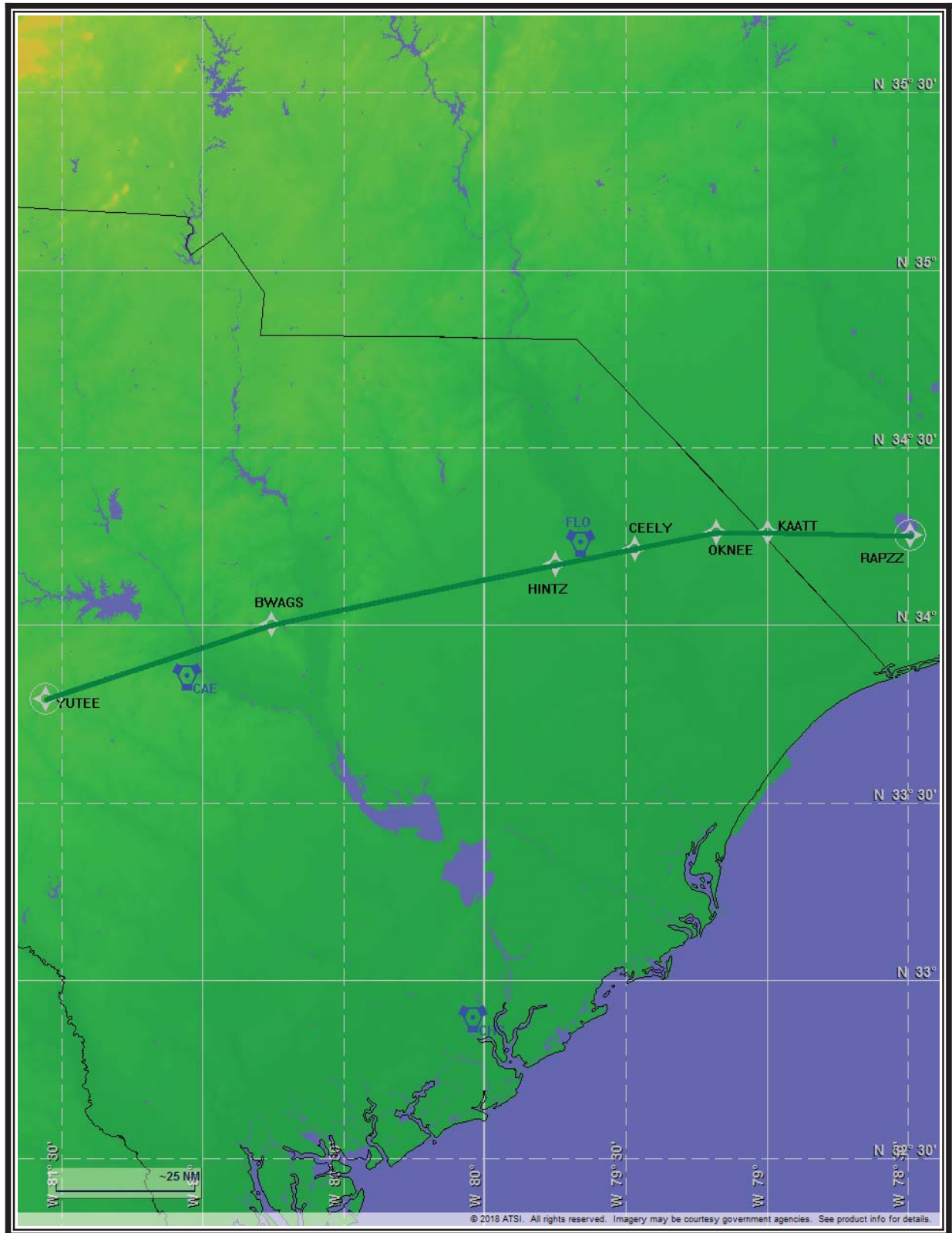


**Comms**



**TERPS**

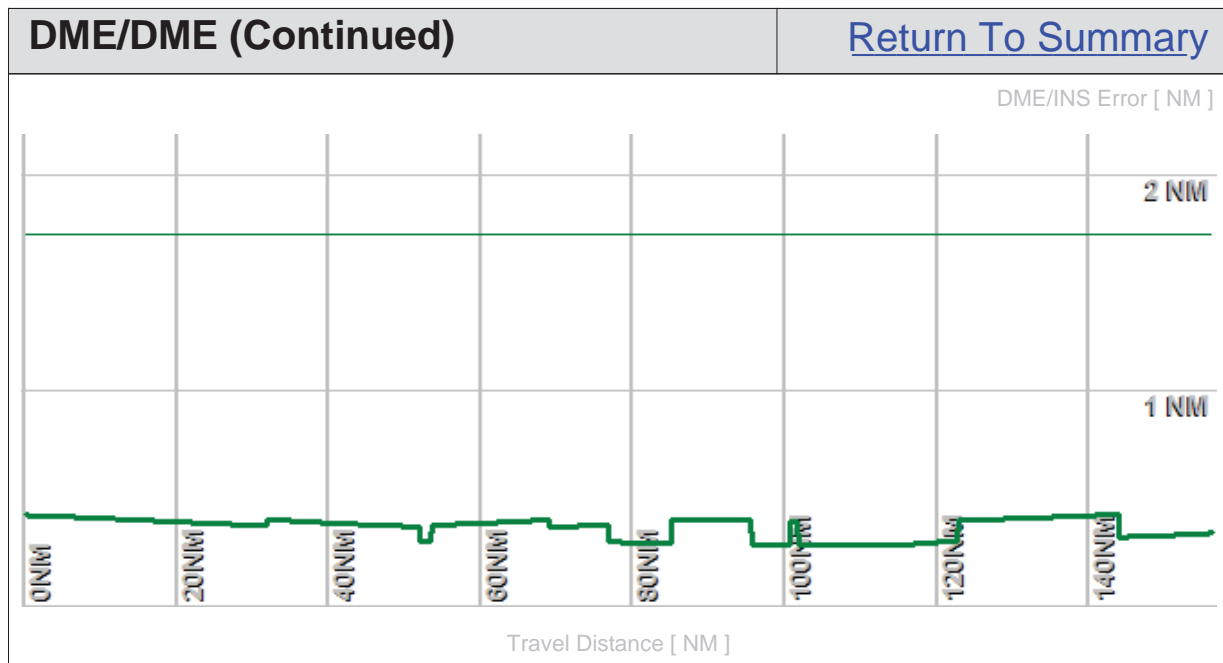




Flight Plan					<a href="#">Return To Summary</a>		
Name	Type	Lat/Lon	Alt [ft]	VNAV Mode	IAS [Kts]	Turn Type	Leg Type
RAPZZ	WP	N 34° 15' 3.34" W 78° 29' 17.58"	18000.0	Step	240.0	Fly By	TF
KAATT	WP	N 34° 15' 35.43" W 78° 59' 42.38"	18000.0	Step	240.0	Fly By	TF
OKNEE	WP	N 34° 15' 39.92" W 79° 10' 40.68"	18000.0	Step	240.0	Fly By	TF
CEELY	WP	N 34° 12' 54.72" W 79° 27' 57.01"	18000.0	Step	240.0	Fly By	TF
HINTZ	WP	N 34° 10' 11.02" W 79° 44' 48.12"	18000.0	Step	240.0	Fly By	TF
BWAGS	WP	N 34° 0' 3.77" W 80° 45' 12.26"	18000.0	Step	240.0	Fly By	TF
YUTEE	WP	N 33° 47' 28.54" W 81° 33' 19.15"	18000.0	Step	240.0	Fly Over	TF

Flyability		<a href="#">Return To Summary</a>
Settings:	<b>Flight Type:</b> EnRoute <b>Aircraft Category:</b> Cat D <b>Climb Gradient:</b> <i>None assigned</i> <b>Ground Speeds:</b> Table: <b>200.0 Kts</b> up to <b>11000.0 ft</b> <b>240.0 Kts</b> up to <b>18000.0 ft</b> <b>260.0 Kts</b> up to <b>24000.0 ft</b> <b>340.0 Kts</b> up to <b>99900.0 ft</b>  <b>Wind Settings:</b> <i>None assigned</i> <b>Descent During a Turn:</b> Allowed <b>VNAV Mode:</b> Flight Plan	
	Entire track is fly-able	

DME/DME		<a href="#">Return To Summary</a>
Settings:	RNP: 2.0	
	Flight Mode: Manual	
	Line of Sight (DTED Level 0 Max): Evaluated	
	DME Restrictions: Evaluated	
	Inertial Drift: Enabled	
	Initial Drift: 0.558 NM	
	INS Drift Rate: 8.000 NM/Hour	
	Range Mode: OSV	
	Co-Frequencies: Evaluated	
	RNP Edges: Evaluated	
	Min DME Range: 3.0 NM	
	Allowed Gap Length: 4.0 NM	
	DME Types: VOR/DME, VORTAC, Standalone, and User	
	DME Include Angles: 30 to 150	
	Critical DMEs: Not allowed	
DoD Facilities: Not included		
Foreign Facilities: Not included		
Low DMEs: Not included		
Terminal DMEs: Not included		
Flight Check DMEs: Selected		
Higher Altitudes: Evaluated		
Near Maximum Altitude: Evaluated		
Total Number of DMEs Used: 7		
Maximum DME Error: 0.430 NM.		
No Critical DMEs were found.		
Available DMEs: GSO, FLO, ILM, CHS, CAE, GRD, IRQ, SPA		
Disabled DMEs: TAY		

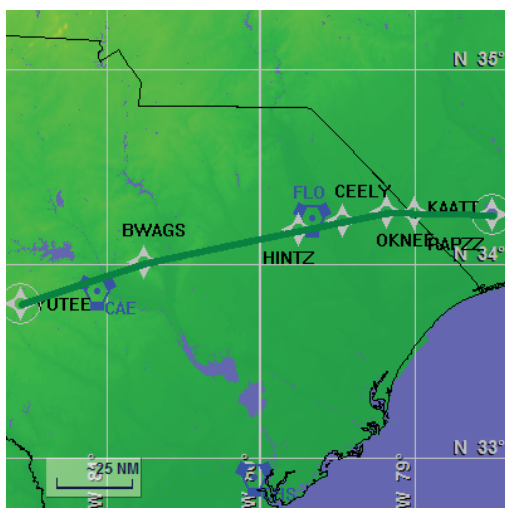


DME/DME (Continued)						<a href="#">Return To Summary</a>			
DMEs Used									
#	Name	Lat/Lon/MAGVAR	Range	Source	Critical	Err. [NM]	Status	Time	Distance
1	GSO	N 36° 2' 44.49" W 79° 58' 34.95" 03 W	H + <b>ESV</b>	User	NO	1.360	Enabled	69.1%	69.1%
2	ILM	N 34° 21' 5.93" W 77° 52' 27.77" 07 W	H	Database	NO	0.469	Enabled	30.4%	30.4%
3	CAE	N 33° 51' 26.10" W 81° 3' 14.05" 02 W	H	Database	NO	0.430	Enabled	35.6%	35.6%
4	CHS	N 32° 53' 39.55" W 80° 2' 16.13" 05 W	H	Database	NO	0.430	Enabled	21.4%	21.4%
5	FLO	N 34° 13' 58.69" W 79° 39' 25.78" 03 W	H	Database	NO	0.430	Enabled	13.3%	13.3%
6	GRD	N 34° 15' 5.64" W 82° 9' 14.94" 01 W	H	Database	NO	0.483	Enabled	20.8%	20.8%
7	SPA	N 35° 2' 1.05" W 81° 55' 37.24" 02 W	H	Database	NO	0.442	Enabled	9.6%	9.6%
	Total Coverage							100.0%	100.0%
Flight Check DME Selection									
Distance [NM]		Selected DMEs (Required)						Alternate	
0.0		GSO	ILM	FLO					
25.1		GSO	ILM	FLO	CHS	CAE			
33.7		GSO	ILM	FLO	CHS	CAE			
48.9		GSO	ILM	FLO	CHS	CAE			
63.1		GSO	ILM	FLO	CHS	CAE			
83.3		GSO	GRD	FLO	CHS	CAE	SPA		
113.9		GSO	GRD	SPA	CHS	CAE	FLO		
130.0		GSO	GRD	SPA	FLO	CAE	IRQ		
146.1		CHS	GRD	SPA	FLO	CAE	IRQ		

Available DMEs by Waypoints		<a href="#">Return To Summary</a>
Waypoint Before	Waypoint After	DME List
RAPZZ	KAATT	GSO, FLO, and ILM
KAATT	OKNEE	GSO, CAE, CHS, FLO, and ILM
OKNEE	CEELY	GSO, CAE, CHS, FLO, and ILM
CEELY	HINTZ	GSO, CAE, CHS, FLO, and ILM
HINTZ	BWAGS	GSO, CAE, CHS, FLO, GRD, ILM, IRQ*, and SPA*
BWAGS	YUTEE	GSO, CAE, CHS, FLO, GRD, SPA, and IRQ*



User Data					<a href="#">Return To Summary</a>		
User Data Files							
#	File Name						
1	Q172.udt						
User DMEs							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	GSO	N 36° 2' 44.49" W 79° 58' 34.95" 03 W	H	909.0	116.20	GSO	Used
Restriction:		Bearing [True]: 252.0° to 287.0° Bearing [Mag]: 255.0° to 290.0°			Distance: Beyond 0.0 NM Altitude: Below 6000.0 ft		
ESV:		Bearing [True]: 47.0° to 217.0° Bearing [Mag]: 50.0° to 220.0°			Arc Distance: Out to 150.0 NM Altitude: 16000.0 to 33000.0 ft		



**Name:** MARK SCHOENHOFF  
**Project Name:** ACR  
**Output File:** SC\_NC Q172\_EAST  
Q-ROUTE YUTEE RAPZZ  
20180409\_1259  
**Procedure Name:** Q172  
**Software:** RNAV-Pro™  
**Version:** 2.39g  
**Date/Time:** 4/9/2018 12:59:52 PM  
**Input File:** SC\_NC Q172\_EAST  
YUTEE RAPZZ  
20180409\_1243.txt  
**Databases:** AIRNAV Date: 4/6/2018  
CIFP Date: 11/9/2017  
DTED® (MAX) Date: 2002

## Results Summary:

**Flyability**



**DME/DME**



No Critical DMEs Exist

**Radars**

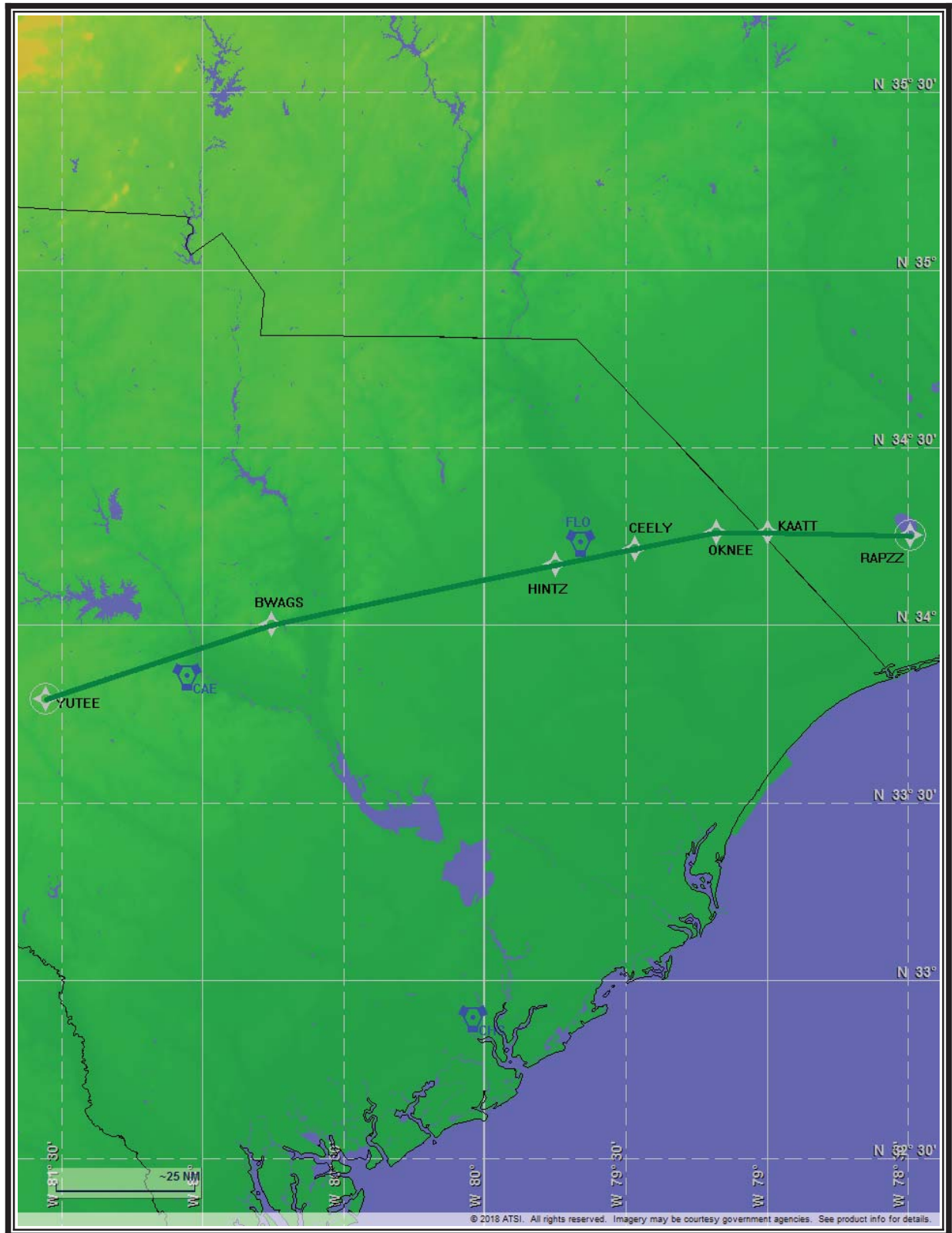


**Comms**



**TERPS**

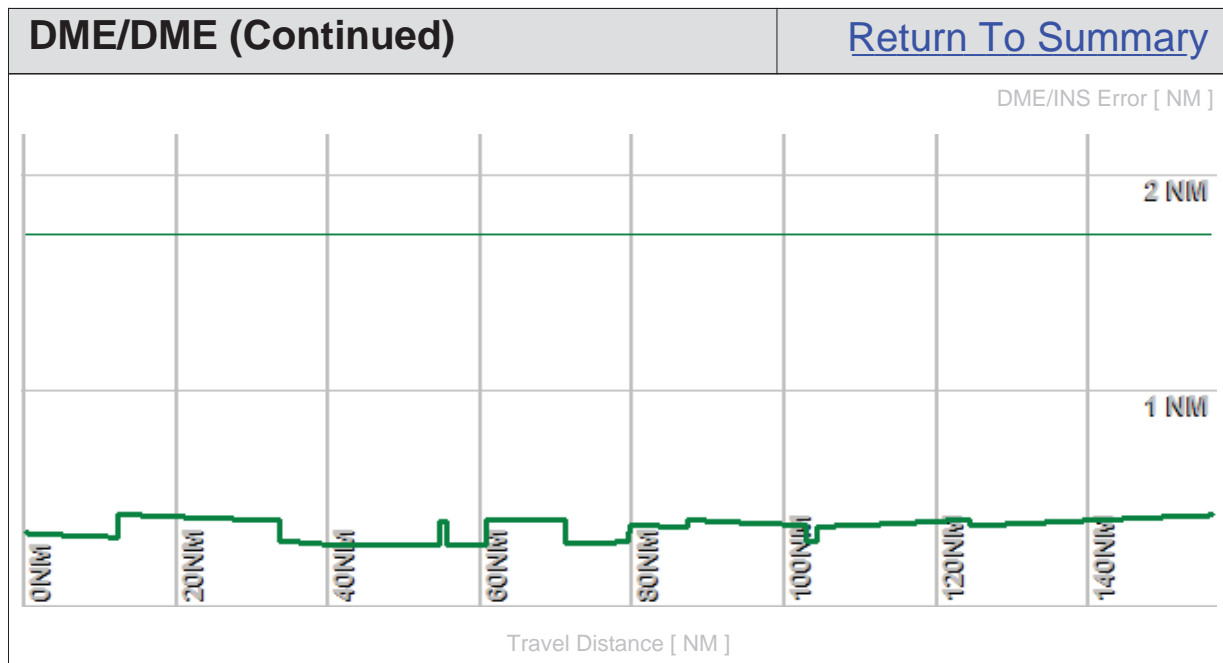




Flight Plan					<a href="#">Return To Summary</a>		
Name	Type	Lat/Lon	Alt [ft]	VNAV Mode	IAS [Kts]	Turn Type	Leg Type
YUTEE	WP	N 33° 47' 28.54" W 81° 33' 19.15"	18000.0	Step	240.0	Fly By	TF
BWAGS	WP	N 34° 0' 3.77" W 80° 45' 12.26"	18000.0	Step	240.0	Fly By	TF
HINTZ	WP	N 34° 10' 11.02" W 79° 44' 48.12"	18000.0	Step	240.0	Fly By	TF
CEELY	WP	N 34° 12' 54.72" W 79° 27' 57.01"	18000.0	Step	240.0	Fly By	TF
OKNEE	WP	N 34° 15' 39.92" W 79° 10' 40.68"	18000.0	Step	240.0	Fly By	TF
KAATT	WP	N 34° 15' 35.43" W 78° 59' 42.38"	18000.0	Step	240.0	Fly By	TF
RAPZZ	WP	N 34° 15' 3.34" W 78° 29' 17.58"	18000.0	Step	240.0	Fly Over	TF

Flyability		<a href="#">Return To Summary</a>
Settings:	<b>Flight Type:</b> EnRoute <b>Aircraft Category:</b> Cat D <b>Climb Gradient:</b> <i>None assigned</i> <b>Ground Speeds:</b> Table: <b>200.0 Kts</b> up to <b>11000.0 ft</b> <b>240.0 Kts</b> up to <b>18000.0 ft</b> <b>260.0 Kts</b> up to <b>24000.0 ft</b> <b>340.0 Kts</b> up to <b>99900.0 ft</b>  <b>Wind Settings:</b> <i>None assigned</i> <b>Descent During a Turn:</b> Allowed <b>VNAV Mode:</b> Flight Plan	
	Entire track is fly-able	

DME/DME		<a href="#">Return To Summary</a>
<b>Settings:</b>	<p> <b>RNP:</b> 2.0  <b>Flight Mode:</b> Manual  <b>Line of Sight (DTED Level 0 Max):</b> Evaluated  <b>DME Restrictions:</b> Evaluated  <b>Inertial Drift:</b> Enabled              <b>Initial Drift:</b> 0.558 NM              <b>INS Drift Rate:</b> 8.000 NM/Hour  <b>Range Mode:</b> OSV  <b>Co-Frequencies:</b> Evaluated  <b>RNP Edges:</b> Evaluated  <b>Min DME Range:</b> 3.0 NM  <b>Allowed Gap Length:</b> 4.0 NM  <b>DME Types:</b> VOR/DME, VORTAC, Standalone, and User  <b>DME Include Angles:</b> 30 to 150  <b>Critical DMEs:</b> Not allowed  <b>DoD Facilities:</b> Not included  <b>Foreign Facilities:</b> Not included  <b>Low DMEs:</b> Not included  <b>Terminal DMEs:</b> Not included  <b>Flight Check DMEs:</b> Selected  <b>Higher Altitudes:</b> Evaluated  <b>Near Maximum Altitude:</b> Evaluated         </p>	
<p><b>Total Number of DMEs Used:</b> 7</p> <p>Maximum DME Error: 0.430 NM.</p> <p>No Critical DMEs were found.</p> <p><b>Available DMEs:</b> CAE, CHS, FLO, GRD, IRQ, SPA, GSO, ILM</p> <p><b>Disabled DMEs:</b> TAY</p>		



DME/DME (Continued)						<a href="#">Return To Summary</a>			
DMEs Used									
#	Name	Lat/Lon/MAGVAR	Range	Source	Critical	Err. [NM]	Status	Time	Distance
1	FLO	N 34° 13' 58.69" W 79° 39' 25.78" 03 W	H	Database	NO	0.430	Enabled	13.2%	13.2%
2	SPA	N 35° 2' 1.05" W 81° 55' 37.24" 02 W	H	Database	NO	0.442	Enabled	9.5%	9.5%
3	GSO	N 36° 2' 44.49" W 79° 58' 34.95" 03 W	H + <a href="#">ESV</a>	User	NO	1.202	Enabled	69.1%	69.1%
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5	CAE	N 33° 51' 26.10" W 81° 3' 14.05" 02 W	H	Database	NO	0.430	Enabled	35.6%	35.6%
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7	ILM	N 34° 21' 5.93" W 77° 52' 27.77" 07 W	H	Database	NO	0.469	Enabled	30.4%	30.4%
	Total Coverage							100.0%	100.0%
Flight Check DME Selection									
Distance [NM]		Selected DMEs (Required)						Alternate	
0.0		GRD	SPA	CHS	FLO	CAE	IRQ		
10.1		GRD	SPA	GSO	FLO	CAE	IRQ		
25.9		GRD	SPA	GSO	CHS	CAE	FLO		
41.6		GRD	FLO	GSO	CHS	CAE	SPA		
83.0		ILM	FLO	GSO	CHS	CAE			
93.2		ILM	FLO	GSO	CHS	CAE			
107.4		ILM	FLO	GSO	CHS	CAE			
121.3		ILM	FLO	GSO	CHS	CAE			
131.0		ILM	FLO	GSO					



Available DMEs by Waypoints		<a href="#">Return To Summary</a>
Waypoint Before	Waypoint After	DME List
YUTEE	BWAGS	GSO, CAE, CHS, FLO, GRD, SPA, and IRQ*
BWAGS	HINTZ	GSO, CAE, CHS, FLO, GRD, ILM, IRQ*, and SPA*
HINTZ	CEELY	GSO, CAE, CHS, FLO, and ILM
CEELY	OKNEE	GSO, CAE, CHS, FLO, and ILM
OKNEE	KAATT	GSO, CAE, CHS, FLO, and ILM
KAATT	RAPZZ	GSO, FLO, and ILM

User Data					<a href="#">Return To Summary</a>		
User Data Files							
#	File Name						
1	Q172.udt						
User DMEs							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
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