

Name: MARK SCHOENHOFF
Project Name: KCLT KWEEN3 SID
Output File: KCLT KWEEN3 SID
 HMMPY PITRW
 20170108_1335
Procedure Name: KWEEN3
Software: RNAV-Pro™
Version: 2.39g
Date/Time: 1/8/2017 1:36:17 PM
Input File: [KCLT KWEEN3 SID
 HMMPY PITRW
 20161214_1327.txt](#)
Databases: AIRNAV Date: 12/24/2016
 CIFP Date: 8/18/2016
 DTED® (MAX) Date: 2002

Results Summary:

Flyability



Please Check **Flyability Results**

DME/DME



No Critical DMEs Exist

Radars

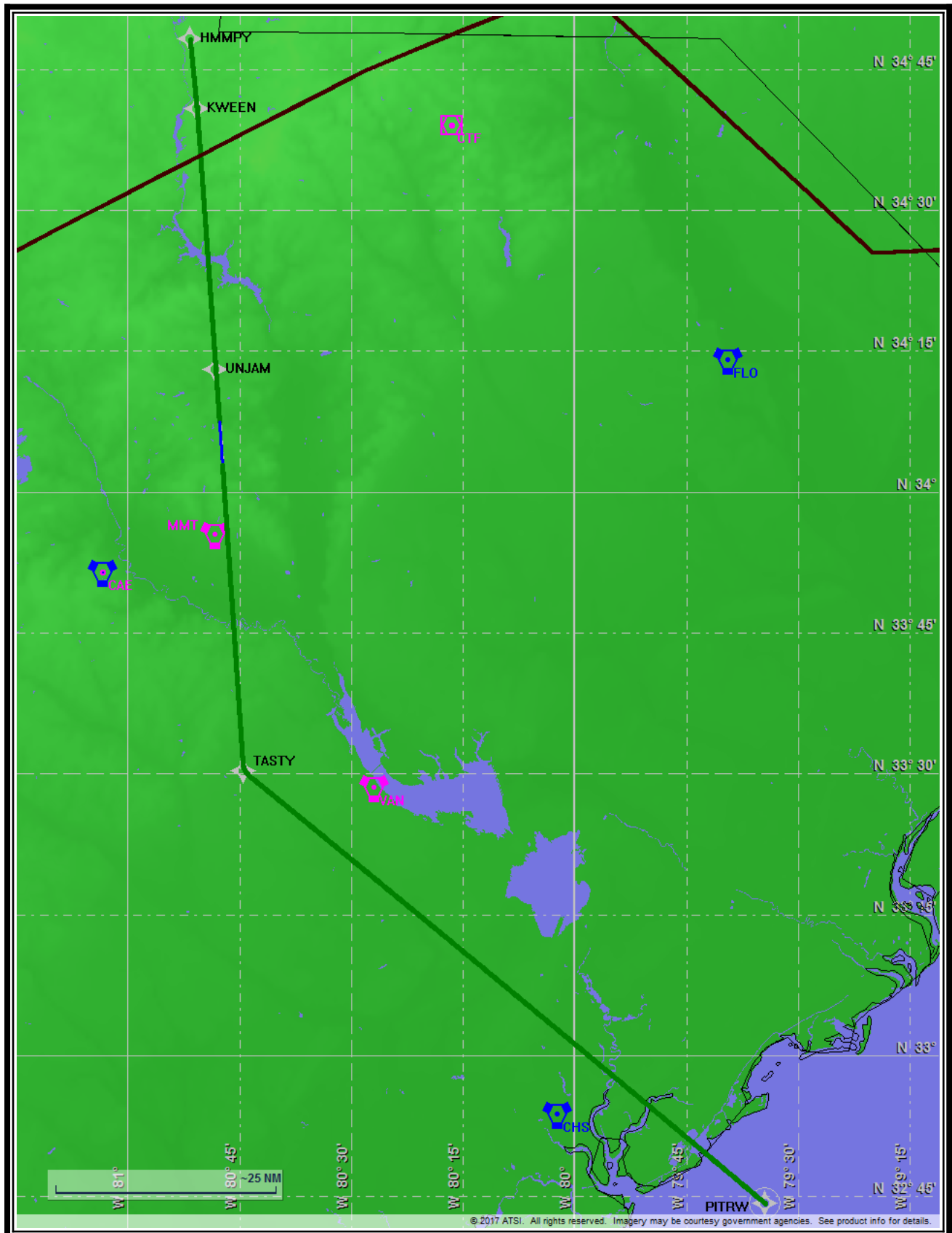


Comms



TERPS

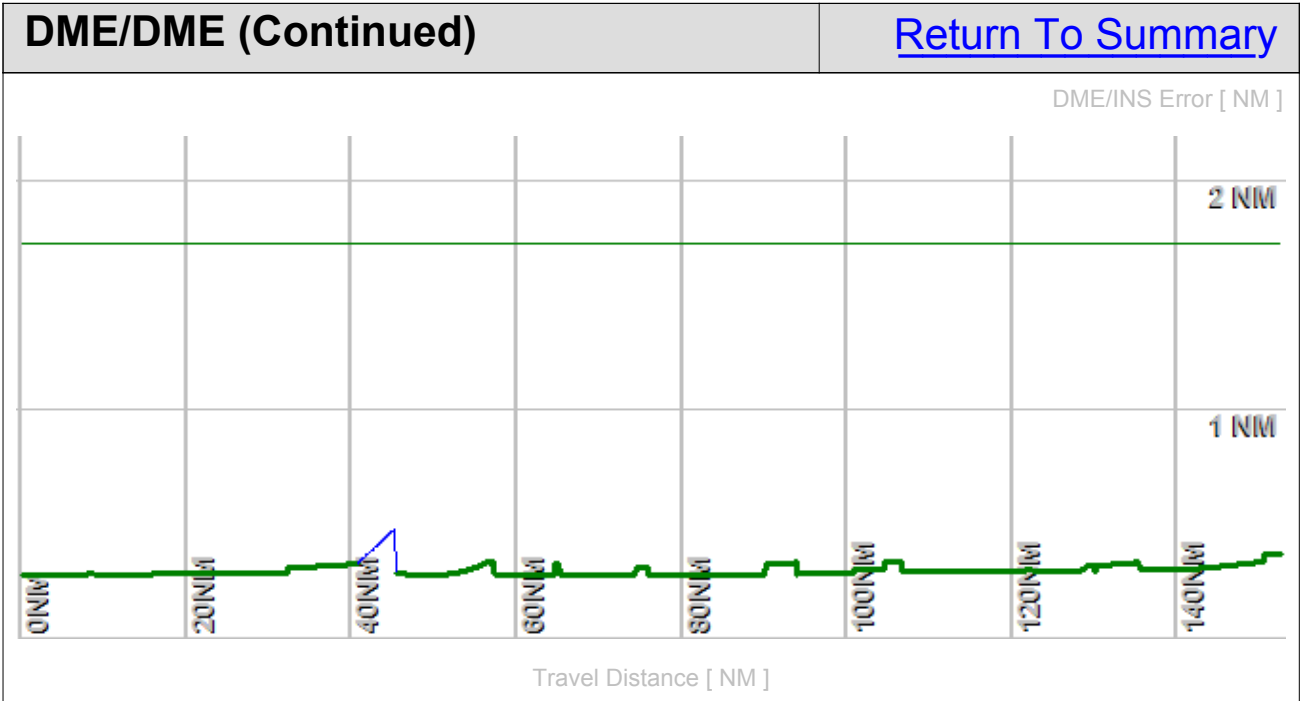




Flight Plan					Return To Summary		
Name	Type	Lat/Lon	Alt [ft]	VNAV Mode	IAS [Kts]	Turn Type	Leg Type
HMMPY	WP	N 34° 48' 10.63" W 80° 51' 37.73"	4000.0	VNAV	180.0	Fly By	TF
KWEEN	WP	N 34° 40' 47.77" W 80° 50' 42.46"	5500.0	VNAV	180.0	Fly By	TF
UNJAM	WP	N 34° 12' 56.50" W 80° 48' 10.81"	11000.0	VNAV	210.0	Fly By	TF
TASTY	WP	N 33° 30' 17.41" W 80° 44' 29.41"	18000.0	VNAV	240.0	Fly By	TF
PITRW	WP	N 32° 44' 13.05" W 79° 34' 23.27"	18000.0	VNAV	240.0	Fly Over	TF

Flyability		Return To Summary
Settings:	Flight Type: Departure Transition	
	Selected Airport: KCLT	
	Aircraft Category: Cat D	
	Climb Gradient: <i>None assigned</i>	
	Ground Speeds:	
	Table:	
	200.0 Kts up to 11000.0 ft	
	240.0 Kts up to 18000.0 ft	
	260.0 Kts up to 24000.0 ft	
	340.0 Kts up to 99900.0 ft	
	Wind Settings: <i>None assigned</i>	
	Descent During a Turn: Allowed	
	VNAV Mode: Flight Plan	
Required IAS at Fly-By WP UNJAM could not be reached with given A/C acceleration performance.		

DME/DME	Return To Summary
Settings:	<p> 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: Allowed DoD Facilities: Not included Foreign Facilities: Not included Low DMEs: Included Terminal DMEs: Included Flight Check DMEs: Selected Higher Altitudes: Evaluated Near Maximum Altitude: Evaluated Automatic ESVs: Enabled (Reduce Criticals) </p>
<p>Total Number of DMEs Used: 10</p> <p>Maximum DME Error: 0.483 NM.</p> <p>No Critical DMEs were found.</p> <p>Available DMEs: CTF, SPA, CAE, CLT, GRD, VAN, CHS, FLO, IRQ, SAV</p>	



DME/DME (Continued)						Return To Summary			
DMEs Used									
#	Name	Lat/Lon/MAGVAR	Range	Source	Critical	Err. [NM]	Status	Time	Distance
1	SPA	N 35° 2' 1.14" W 81° 55' 37.38" 02 W	H + ESV	User	NO	0.483	Enabled	14.2%	12.0%
2	CAE	N 33° 51' 26.09" W 81° 3' 14.05" 02 W	H + ESV	User	NO	0.920	Enabled	54.2%	53.2%
3	CTF	N 34° 39' 1.66" W 80° 16' 29.74" 02 E	L + ESV	User	NO	0.483	Enabled	13.8%	11.6%
4	CLT	N 35° 11' 25.70" W 80° 57' 7.18" 05 W	L	Database	NO	0.483	Enabled	5.7%	4.8%
5	GRD	N 34° 15' 5.64" W 82° 9' 14.94" 01 W	H + ESV	User	NO	0.744	Enabled	8.2%	8.0%
6	VAN	N 33° 28' 29.39" W 80° 26' 55.11" 06 W	L	Database	NO	0.865	Enabled	14.4%	15.1%
7	CHS	N 32° 53' 39.55" W 80° 2' 16.13" 05 W	H	Database	NO	0.483	Enabled	25.1%	26.6%
8	FLO	N 34° 13' 58.69" W 79° 39' 25.78" 03 W	H	Database	NO	0.588	Enabled	35.6%	37.9%
9	SAV	N 32° 8' 46.56" W 81° 11' 56.78" 06 W	H	Database	NO	0.483	Enabled	21.6%	23.5%
10	IRQ	N 33° 42' 26.47" W 82° 9' 43.43" 04 W	H	Database	NO	0.483	Enabled	1.2%	1.3%
	Total Coverage							97.0%	97.0%
Flight Check DME Selection									
Distance [NM]		Selected DMEs						Alternate	
0.0		CAE	CTF	SPA	CLT				
7.3		CAE	CTF	SPA	CLT	GRD			
35.3		CAE	CTF	GRD					
45.4		CAE	VAN	CHS	FLO	SPA	IRQ		
65.5		CAE	VAN	CHS	FLO	SAV	IRQ		
76.9		CAE	VAN	CHS	FLO	IRQ	SAV		
89.3		CAE	VAN	SAV	FLO	GRD	IRQ		
101.7		CAE	VAN	SAV	FLO	IRQ	CHS		
111.9		CAE	VAN	SAV	FLO	CHS			

DME/DME (Continued)			Return To Summary
<i>Inertial Drift Segments</i>			
#	Start Location	End Location	Length [NM]
1	N 34° 7' 28.41" W 80° 47' 42.07"	N 34° 2' 56.64" W 80° 47' 18.47"	4.5
	VOR: MMT	Available from N 34° 7' 28.41" W 80° 47' 42.07" to N 34° 2' 56.64" W 80° 47' 18.47"	
	VOR: CAE	Available from N 34° 7' 28.41" W 80° 47' 42.07" to N 34° 2' 56.64" W 80° 47' 18.47"	
	VOR: VAN	Available from N 34° 4' 40.55" W 80° 47' 27.49" to N 34° 2' 56.64" W 80° 47' 18.47"	

Available DMEs by Waypoints		Return To Summary
Waypoint Before	Waypoint After	DME List
HMMPY	KWEEN	CAE, SPA, CTF, and CLT
KWEEN	UNJAM	GRD, CAE, SPA, CTF, and CLT
UNJAM	TASTY	GRD, CAE, SPA, CTF, CHS, FLO, SAV, VAN, and IRQ*
TASTY	PITRW	GRD, CAE, CHS, FLO, IRQ, SAV, and VAN

User Data					Return To Summary		
User Data Files							
#	File Name						
1	KCLT KWEEN SID.udt						
User DMEs							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	CTF	N 34° 39' 1.66" W 80° 16' 29.74" 02 E	L	610.0	108.20,116.25	CTF	Used
		ESV:	Bearing [True]: 221.0° to 7.0° Bearing [Mag]: 219.0° to 5.0°		Arc Distance: Out to 65.0 NM Altitude: 4000.0 to 15000.0 ft		
2	SPA	N 35° 2' 1.14" W 81° 55' 37.38" 02 W	H	910.0	115.70	SPA	Used
		Restriction:	Bearing [True]: 349.0° to 97.0° Bearing [Mag]: 351.0° to 99.0°		Distance: Beyond 0.0 NM Altitude: Below 15000.0 ft		
		ESV:	Bearing [True]: 90.0° to 145.0° Bearing [Mag]: 92.0° to 147.0°		Arc Distance: Out to 75.0 NM Altitude: 4000.0 to 16000.0 ft		
3	CAE	N 33° 51' 26.09" W 81° 3' 14.05" 02 W	H	409.2	114.70	CAE	Used
		ESV:	Bearing [True]: 217.0° to 50.0° Bearing [Mag]: 219.0° to 52.0°		Arc Distance: Out to 65.0 NM Altitude: 4000.0 to 18000.0 ft		
4	GRD	N 34° 15' 5.64" W 82° 9' 14.94" 01 W	H	630.0	115.50	GRD	Used
		ESV:	Bearing [True]: 52.0° to 132.0° Bearing [Mag]: 53.0° to 133.0°		Arc Distance: Out to 72.0 NM Altitude: 4000.0 to 18000.0 ft		