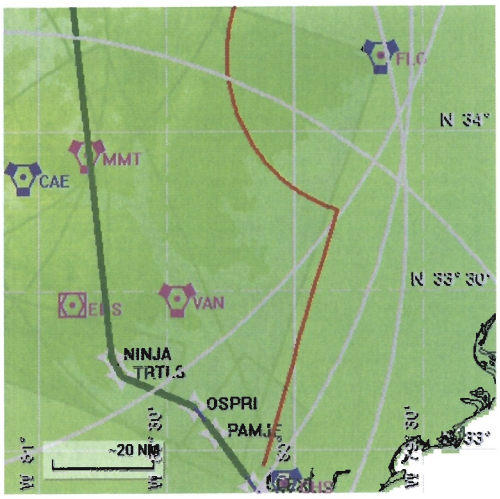

Name:	Dennis Osterhage
Project Name:	KCHS OSPRI3 STAR BUCKL GMCKS 20120305
Software:	RNAV-Pro™
Version:	2.35
Date/Time:	3/5/2012 10:30:50 AM
Input File:	KCHS OSPRI3 STAR BUC...
Databases:	AVNIS Date: 08/26/2011
	NFD Date: 07/02/2009
	DTED® (MAX) Date: 2002

Results Summary:

Flyability	✓
DME/DME	✓
Radars	?
Comms	?
TERPS	?

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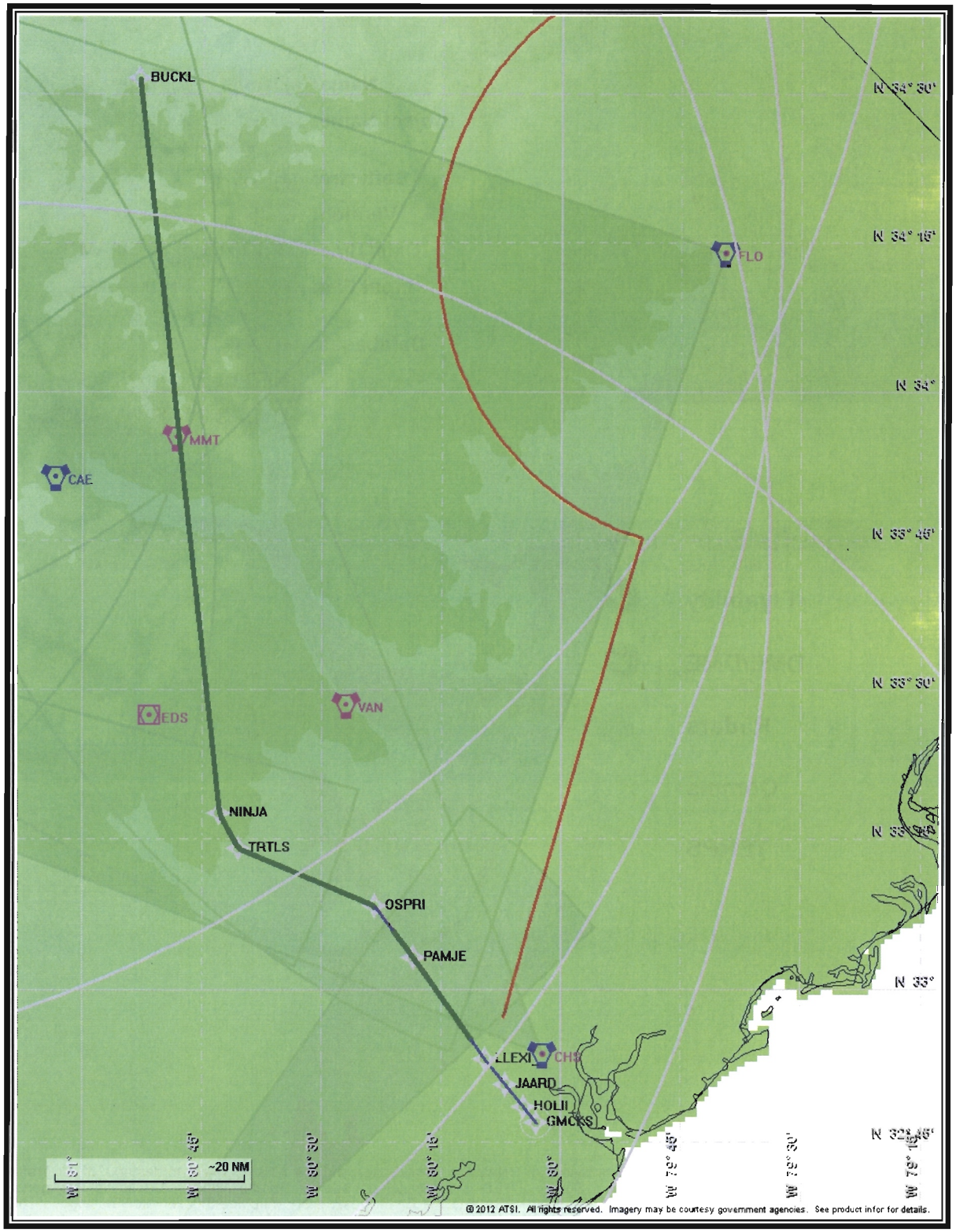
BUCKL
FLO
MMT
CAE
EDS
VAN
NINJA
TRTLS
OSPRI
PAMJE
JAARD
HOLII
GMCKS
N 34° 30'
N 34° 15'
N 34°
N 33° 45'
N 33° 30'
N 33°
~20 NM
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Flyability

Return To Summary

Settings:

Flight Type: Arrival/Approach
Aircraft Category: Cat D
Climb Gradient: *None assigned*
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: *None assigned*
Descent During a Turn: Allowed
VNAV Mode: Flight Plan

Entire track is fly-able

Flight Plan

Return To Summary

Name	Type	Lat/Lon	Alt [Ft]	VNAV Mode	IAS [Kts]	Turn Type	Leg Type
BUCKL	WP	N 34° 31' 30.13" W 80° 52' 53.14"	18000.0	Step	240.0	Fly By	TF
NINJA	WP	N 33° 17' 27.17" W 80° 42' 46.44"	11000.0	Step	210.0	Fly By	TF
TRTLS	WP	N 33° 13' 58.36" W 80° 40' 24.51"	10000.0	Step	180.0	Fly By	TF
OSPRI	WP	N 33° 8' 10.88" W 80° 23' 18.42"	6000.0	Step	180.0	Fly By	TF
PAMJE	WP	N 33° 3' 2.39" W 80° 18' 24.55"	5000.0	Step	180.0	Fly By	TF
LLEXI_	WP	N 32° 53' 4.39" W 80° 9' 27.44"	5000.0	Step	180.0	Fly By	TF
JAARD_	WP	N 32° 50' 34.78" W 80° 6' 53.98"	3000.0	Step	180.0	Fly By	TF
HOLII_	WP	N 32° 48' 18.39" W 80° 4' 34.21"	3000.0	Step	180.0	Fly By	TF
GMCKS_	WP	N 32° 46' 47.44" W 80° 3' 1.10"	3000.0	Step	180.0	Fly Over	TF

DME/DME

Return To Summary

Settings:

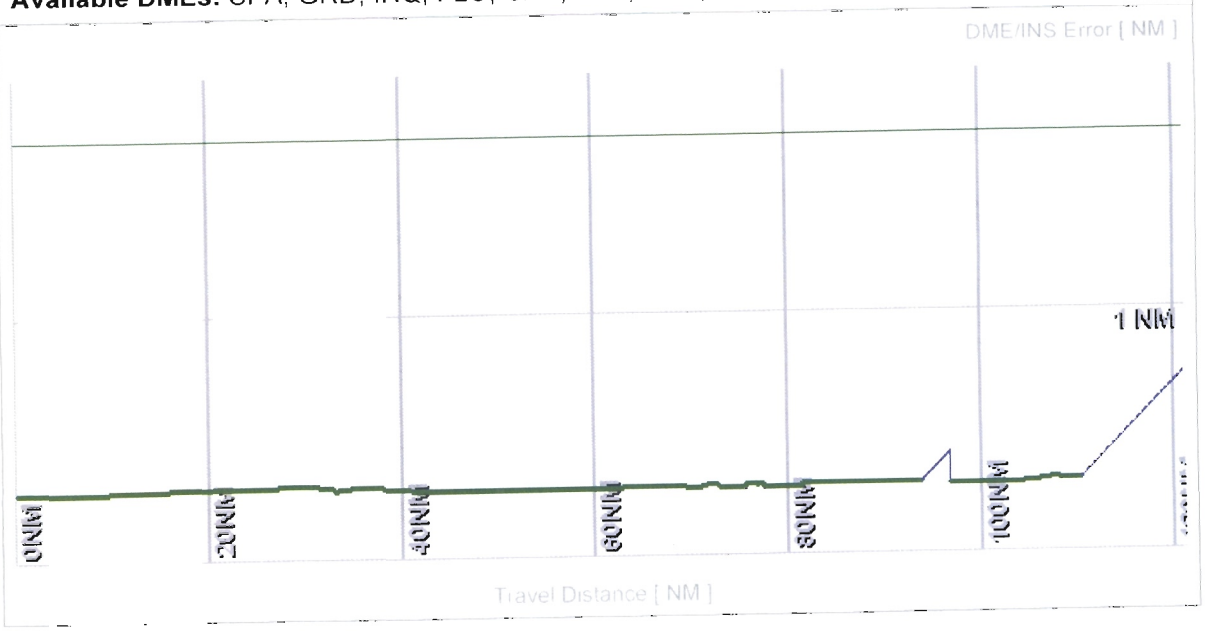
RNP: 2.0
Flight Mode: Manual
Line of Sight (DTED Level 0 Max): Evaluated
DME Restrictions: Evaluated
Inertial Drift: Enabled
Initial Drift: 0.558 NM
INS Drift Rate: 8.000 NM/Hour
Range Mode: OSV
Co-Frequencies: Evaluated
RNP Edges: Evaluated
Min DME Range: 3.0 NM
Allowed Gap Length: 4.0 NM
DME Types: VOR/DME , VORTAC , TACAN , and User
DME Include Angles: 30 to 150
Critical DMEs: Allowed
DoD Facilities: Not included
Foreign Facilities: Not included
Low & Terminal DMEs: Included
Flight Check DMEs: Selected
Higher Altitudes: Evaluated
Near Maximum Altitude: Evaluated

Total Number of DMEs Used: 8

Maximum DME Error: 0.730 NM.

No Critical DMEs were found.

Available DMEs: SPA, GRD, IRQ, FLO, CAE, CTF, CHS, VAN, EDS, SAV



DME/DME (Continued.)

Return To Summary

DMEs Used

#	Name	Lat/Lon	Range	Source	Critical	Err. [NM]	Status	Time	Distance
1	FLO	N 34° 13' 58.69" W 79° 39' 25.77"	H + ESV	User	NO	0.730	Enabled	43.5 %	44.5 %
2	CAE	N 33° 51' 26.09" W 81° 3' 14.05"	H	Database	NO	0.730	Enabled	34.1 %	36.6 %
3	SPA	N 35° 2' 1.05" W 81° 55' 37.24"	H + ESV	User	NO	0.730	Enabled	14.3 %	15.4 %
4	CTF	N 34° 39' 1.66" W 80° 16' 29.74"	L	Database	NO	0.730	Enabled	2.4 %	2.6 %
5	CHS	N 32° 53' 39.55" W 80° 2' 16.13"	H + ESV	User	NO	0.730	Enabled	46.0 %	44.8 %
6	VAN	N 33° 28' 29.39" W 80° 26' 55.11"	L	Database	NO	0.786	Enabled	12.4 %	12.1 %
7	EDS	N 33° 27' 22.30" W 80° 51' 30.28"	T	Database	NO	0.730	Enabled	9.5 %	10.1 %
8	SAV	N 32° 8' 46.51" W 81° 11' 56.81"	H + ESV	User	NO	1.388	Enabled	12.5 %	11.2 %

Flight Check DME Selection

Distance [NM]	Selected DMEs					Alternate
0.0	SPA	CAE	FLO	CTF	GRD	IRQ
18.8	SPA	CAE	FLO	CHS	VAN	GRD
37.3	EDS	CAE	FLO	CHS	VAN	IRQ
73.7	EDS	IRQ	FLO	CHS	VAN	CAE
77.7	EDS	IRQ	FLO	CHS	VAN	
93.2	SAV	VAN	FLO	CHS		
100.3	SAV	VAN	CHS			
112.7	CHS	VAN				
116.1						
119.1	CHS					

Inertial Drift Segments

#	Start Location	End Location	Length [NM]
1	N 33° 8' 6.50" W 80° 23' 19.30"	N 33° 5' 50.76" W 80° 21' 4.75"	2.9
	VOR: CHS	Available from N 33° 8' 6.50" W 80° 23' 19.30" to N 33° 5' 50.76" W 80° 21' 4.75"	
	VOR: EDS	Available from N 33° 8' 6.50" W 80° 23' 19.30" to N 33° 5' 50.76" W 80° 21' 4.75"	
	VOR: VAN	Available from N 33° 8' 6.50" W 80° 23' 19.30" to N 33° 5' 50.76" W 80° 21' 4.75"	

DME/DME (Continued.)

Return To Summary

Inertial Drift Segments (Continued.)

#	Start Location	End Location	Length [NM]
2	N 32° 55' 2.11" W 80° 11' 12.88"	N 32° 46' 48.51" W 80° 3' 2.19"	10.7
	VOR: CHS	Available from N 32° 55' 2.11" W 80° 11' 12.88" to N 32° 46' 48.51" W 80° 3' 2.19"	
	VOR: VAN	Available from N 32° 55' 2.11" W 80° 11' 12.88" to N 32° 51' 41.58" W 80° 8' 2.30"	

User DMEs

#	Name	Lat/Lon	Range	Elevation [Ft]	Frequency	Replaces:	Status
1	CHS	N 32° 53' 39.55" W 80° 2' 16.13"	H	39.0	113.50	CHS	Used
	ESV:	Bearing [True]: 290.0° to 337.0° Bearing [Mag]: 295.0° to 342.0°		Arc Distance: Out to 90.0 NM Altitude: 10000.0 to 24000.0 Ft.			
2	SPA	N 35° 2' 1.05" W 81° 55' 37.24"	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]: 112.0° to 192.0° Bearing [Mag]: 114.0° to 194.0°		Arc Distance: Out to 90.0 NM Altitude: 10000.0 to 24000.0 Ft.			
3	GRD	N 34° 15' 5.64" W 82° 9' 14.94"	H	630.0	115.50	GRD	Not Used
	ESV:	Bearing [True]: 11.0° to 164.0° Bearing [Mag]: 12.0° to 165.0°		Arc Distance: Out to 71.0 NM Altitude: 10000.0 to 24000.0 Ft.			
4	IRQ	N 33° 42' 26.47" W 82° 9' 43.43"	H	420.0	113.90	IRQ	Not Used
	ESV:	Bearing [True]: 104.0° to 116.0° Bearing [Mag]: 108.0° to 120.0°		Arc Distance: Out to 90.0 NM Altitude: 10000.0 to 24000.0 Ft.			
	ESV:	Bearing [True]: 36.0° to 104.0° Bearing [Mag]: 40.0° to 108.0°		Arc Distance: Out to 72.0 NM Altitude: 10000.0 to 24000.0 Ft.			
5	FLO	N 34° 13' 58.69" W 79° 39' 25.77"	H	134.0	115.20	FLO	Used
	Restriction:	Bearing [True]: 197.0° to 22.0° Bearing [Mag]: 200.0° to 25.0°		Distance: Beyond 30.0 NM Altitude: Below 4000.0 Ft.			
	ESV:	Bearing [True]: 200.0° to 288.0° Bearing [Mag]: 203.0° to 291.0°		Arc Distance: Out to 85.0 NM Altitude: 6000.0 to 24000.0 Ft.			

DME/DME (Continued.)

Return To Summary

User DMEs (Continued.)

#	Name	Lat/Lon	Range	Elevation [Ft]	Frequency	Replaces:	Status
6	SAV	N 32° 8' 46.51" W 81° 11' 56.81"	H	24.0	115.95	SAV	Used

Restriction:	Bearing [True]: 79.0° to 94.0° Bearing [Mag]: 85.0° to 100.0°	Distance: Beyond 39.0 NM Altitude: Below 3000.0 Ft.
Restriction:	Bearing [True]: 120.0° to 126.0° Bearing [Mag]: 126.0° to 132.0°	Distance: Beyond 33.0 NM Altitude: Below 3000.0 Ft.
Restriction:	Bearing [True]: 242.0° to 245.0° Bearing [Mag]: 248.0° to 251.0°	Distance: Beyond 31.0 NM Altitude: Below 3000.0 Ft.
Restriction:	Bearing [True]: 336.0° to 337.0° Bearing [Mag]: 342.0° to 343.0°	Distance: Beyond 30.0 NM Altitude: Below 99999.0 Ft.
ESV:	Bearing [True]: 36.0° to 48.0° Bearing [Mag]: 42.0° to 54.0°	Arc Distance: Out to 86.0 NM Altitude: 5000.0 to 15000.0 Ft.

DME/DME (Continued.)

Return To Summary

User DMEs (Continued.)

#	Name	Lat/Lon	Range	Elevation [Ft]	Frequency	Replaces:	Status
6	SAV	N 32° 8' 46.51" W 81° 11' 56.81"	H	24.0	115.95	SAV	Used

Restriction	Bearing [True]: 79.0° to 94.0° Bearing [Mag]: 85.0° to 100.0°	Distance: Beyond 39.0 NM Altitude: Below 3000.0 Ft.
Restriction:	Bearing [True]: 120.0° to 126.0° Bearing [Mag]: 126.0° to 132.0°	Distance: Beyond 33.0 NM Altitude: Below 3000.0 Ft.
Restriction:	Bearing [True]: 242.0° to 245.0° Bearing [Mag]: 248.0° to 251.0°	Distance: Beyond 31.0 NM Altitude: Below 3000.0 Ft.
Restriction:	Bearing [True]: 336.0° to 337.0° Bearing [Mag]: 342.0° to 343.0°	Distance: Beyond 30.0 NM Altitude: Below 99999.0 Ft.
ESV:	Bearing [True]: 36.0° to 48.0° Bearing [Mag]: 42.0° to 54.0°	Arc Distance: Out to 86.0 NM Altitude: 5000.0 to 15000.0 Ft.