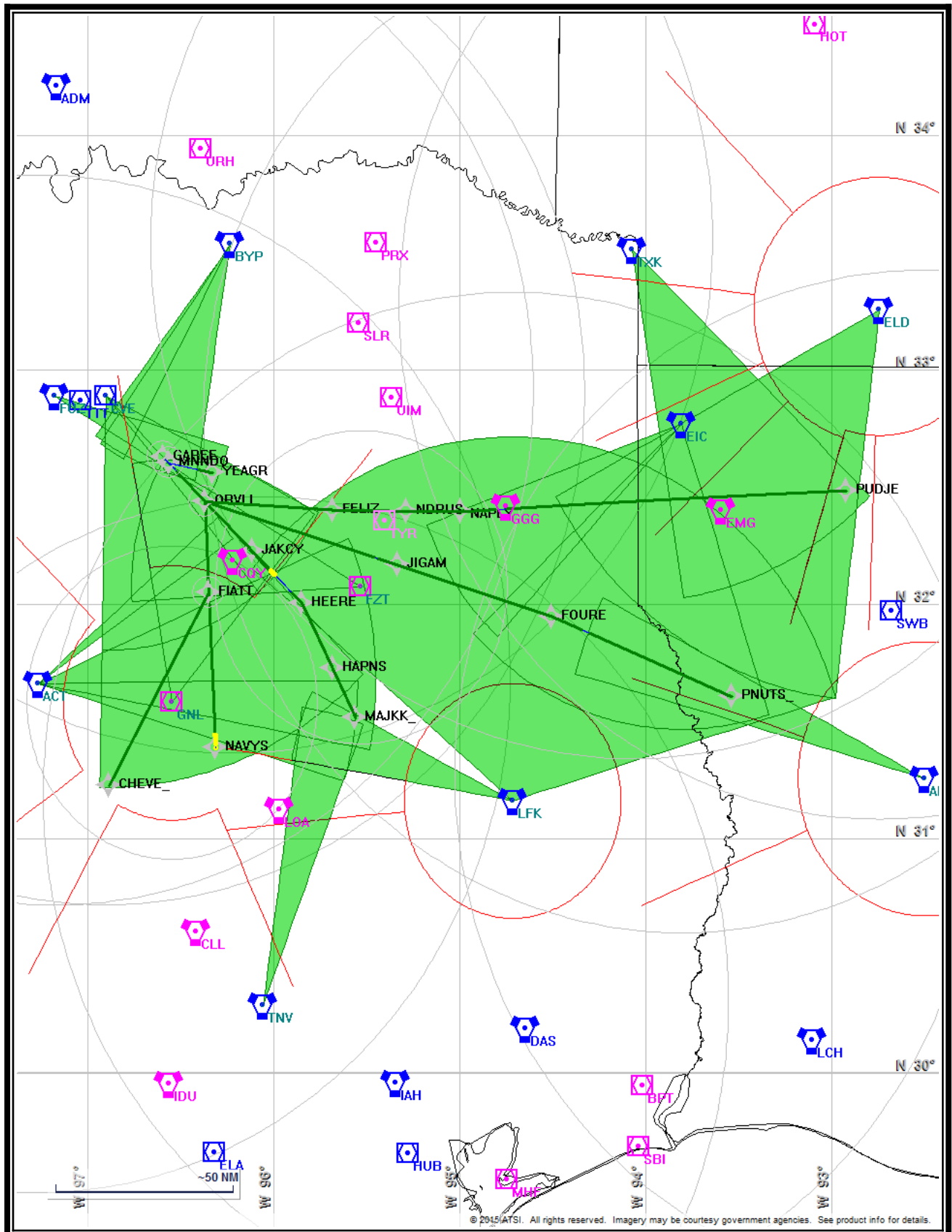


Name: William Roth
Project Name: KDAL MNND04 STAR
Output File: KDAL MNND04 STAR
 CHEVE_FIATT
 20150821_0930
Procedure Name: MNND04
Software: RNAV-Pro™
Version: 2.38
Date/Time: 8/21/2015 9:38:00 AM
Input File: [KDAL MNND04 STAR
 CHEVE_FIATT
 20150818_1500.txt](#)
Databases: AIRNAV Date: 8/4/2015
 CIFP Date: 2/5/2015
 DTED® (MAX) Date: 2002

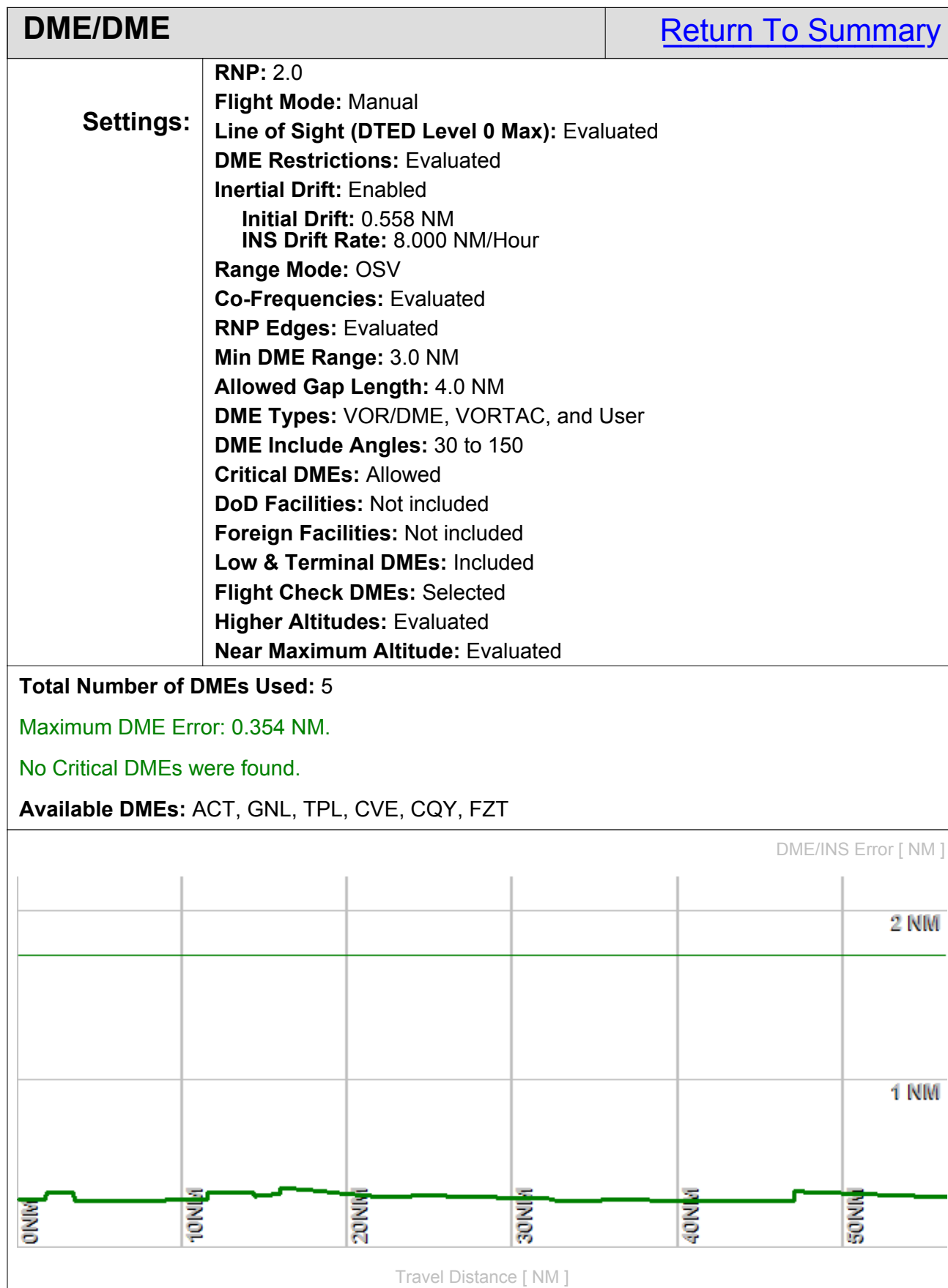
Results Summary:

Flyability	✓	
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
CHEVE_	WP	N 31° 13' 46.60" W 96° 53' 5.92"	10000.0	Step	180.0	Fly By	TF
FIATT	WP	N 32° 3' 5.56" W 96° 21' 3.12"	10000.0	Step	180.0	Fly Over	TF

Flyability		Return To Summary
Settings:	Flight Type: Arrival Selected Airport: KTRL Aircraft Category: Cat D Climb Gradient: <i>None assigned</i> Ground Speeds: Table: 200.0 Kts up to 29000.0 ft 280.0 Kts up to 99900.0 ft Wind Settings: <i>None assigned</i> Descent During a Turn: Allowed VNAV Mode: Flight Plan	
	Entire track is fly-able	



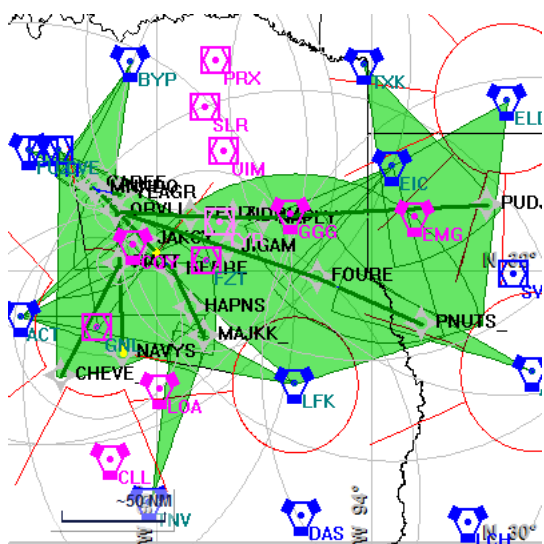
DME/DME (Continued)						Return To Summary			
DMEs Used									
#	Name	Lat/Lon/MAGVAR	Range	Source	Critical	Err. [NM]	Status	Time	Distance
1	ACT	N 31° 39' 44.39" W 97° 16' 8.53" 09 E	H + ESV	User	NO	0.435	Enabled	64.1%	64.1%
2	GNL	N 31° 34' 53.32" W 96° 32' 56.72" 05 E	L + ESV	User	NO	0.365	Enabled	37.3%	37.3%
3	CVE	N 32° 53' 25.12" W 96° 54' 14.27" 06 E	H + ESV	User	NO	0.707	Enabled	74.1%	74.1%
4	TPL	N 31° 12' 33.61" W 97° 25' 29.88" 09 E	L	Database	NO	0.354	Enabled	8.0%	8.0%
5	CQY	N 32° 11' 8.60" W 96° 13' 5.17" 06 E	L	Database	NO	0.421	Enabled	16.5%	16.5%
	Total Coverage							100.0%	100.0%
Flight Check DME Selection									
Distance [NM]		Selected DMEs						Alternate	
0.0		GNL	ACT	CVE	TPL				
14.4		GNL	ACT	CVE	CQY	FZT			

Available DMEs by Waypoints		Return To Summary
Waypoint Before	Waypoint After	DME List
CHEVE_	FIATT	FZT, GNL, CVE, ACT, CQY, and TPL

User Data					Return To Summary		
User Data Files							
#	File Name						
1	UserDMEs_KDAL MNND04 CHEVE_ FIATT 20150818_1534.udt						
User DMEs							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	ACT	N 31° 39' 44.39" W 97° 16' 8.53" 09 E	H	510.0	115.30	ACT	Used
		ESV:	Bearing [True]: 49.0° to 55.0° Bearing [Mag]: 40.0° to 46.0°		Arc Distance: Out to 65.0 NM Altitude: 4100.0 to 16000.0 Ft.		
		ESV:	Bearing [True]: 89.0° to 106.0° Bearing [Mag]: 80.0° to 97.0°		Arc Distance: Out to 88.0 NM Altitude: 9900.0 to 16000.0 Ft.		
		ESV:	Bearing [True]: 66.0° to 100.0° Bearing [Mag]: 57.0° to 91.0°		Arc Distance: Out to 93.0 NM Altitude: 7600.0 to 16000.0 Ft.		
2	BYP	N 33° 32' 14.95" W 96° 14' 2.74" 06 E	H	700.0	114.60	BYP	Not Used
		ESV:	Bearing [True]: 208.0° to 215.0° Bearing [Mag]: 202.0° to 209.0°		Arc Distance: Out to 62.0 NM Altitude: 4000.0 to 16000.0 Ft.		
		ESV:	Bearing [True]: 189.0° to 217.0° Bearing [Mag]: 183.0° to 211.0°		Arc Distance: Out to 61.0 NM Altitude: 3800.0 to 16000.0 Ft.		
3	CVE	N 32° 53' 25.12" W 96° 54' 14.27" 06 E	H	450.0	116.20	CVE	Used
		ESV:	Bearing [True]: 135.0° to 181.0° Bearing [Mag]: 129.0° to 175.0°		Arc Distance: Out to 65.0 NM Altitude: 4000.0 to 20000.0 Ft.		
		ESV:	Bearing [True]: 135.0° to 181.0° Bearing [Mag]: 129.0° to 175.0°		Arc Distance: Out to 100.0 NM Altitude: 9000.0 to 20000.0 Ft.		
		ESV:	Bearing [True]: 117.0° to 140.0° Bearing [Mag]: 111.0° to 134.0°		Arc Distance: Out to 65.0 NM Altitude: 5000.0 to 16000.0 Ft.		
4	GNL	N 31° 34' 53.32" W 96° 32' 56.72" 05 E	L	514.1	108.80	GNL	Used
		Restriction:	Bearing [True]: 155.0° to 210.0° Bearing [Mag]: 150.0° to 205.0°		Distance: Beyond 30.0 NM Altitude: Below 2500.0 Ft.		
		Restriction:	Bearing [True]: 235.0° to 315.0° Bearing [Mag]: 230.0° to 310.0°		Distance: Beyond 30.0 NM Altitude: Below 2400.0 Ft.		
		Restriction:	Bearing [True]: 350.0° to 40.0° Bearing [Mag]: 345.0° to 35.0°		Distance: Beyond 35.0 NM Altitude: Below 2500.0 Ft.		
		ESV:	Bearing [True]: 350.0° to 39.0° Bearing [Mag]: 345.0° to 34.0°		Arc Distance: Out to 62.0 NM Altitude: 4000.0 to 20000.0 Ft.		
5	FZT	N 32° 4' 28.58" W 95° 31' 50.85" 06 E	L	304.7	111.40	FZT	Not Used
		ESV:	Bearing [True]: 267.0° to 301.0° Bearing [Mag]: 261.0° to 295.0°		Arc Distance: Out to 63.0 NM Altitude: 4000.0 to 20000.0 Ft.		

User Data (Continued)					Return To Summary		
User DMEs (Continued)							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
6	LFK	N 31° 9' 44.79" W 94° 43' 0.60" 05 E	H	207.3	112.10	LFK	Not Used
Restriction:		Bearing [True]: 265.0° to 280.0° Bearing [Mag]: 260.0° to 275.0°			Distance: Beyond 30.0 NM Altitude: Below 99999.0 Ft.		
Restriction:		Bearing [True]: 280.0° to 265.0° Bearing [Mag]: 275.0° to 260.0°			Distance: Beyond 30.0 NM Altitude: Below 2500.0 Ft.		
ESV:		Bearing [True]: 280.0° to 297.0° Bearing [Mag]: 275.0° to 292.0°			Arc Distance: Out to 62.0 NM Altitude: 9900.0 to 16000.0 Ft.		
ESV:		Bearing [True]: 310.0° to 73.0° Bearing [Mag]: 305.0° to 68.0°			Arc Distance: Out to 93.0 NM Altitude: 8500.0 to 16000.0 Ft.		
7	TNV	N 30° 17' 18.70" W 96° 3' 29.66" 08 E	H	247.4	115.90	TNV	Not Used
ESV:		Bearing [True]: 8.0° to 21.0° Bearing [Mag]: 360.0° to 13.0°			Arc Distance: Out to 77.0 NM Altitude: 9900.0 to 16000.0 Ft.		
8	EIC	N 32° 46' 16.91" W 93° 48' 35.75" 07 E	H	190.0	117.40	EIC	Not Used
ESV:		Bearing [True]: 162.0° to 227.0° Bearing [Mag]: 155.0° to 220.0°			Arc Distance: Out to 78.0 NM Altitude: 9900.0 to 16000.0 Ft.		
ESV:		Bearing [True]: 223.0° to 250.0° Bearing [Mag]: 216.0° to 243.0°			Arc Distance: Out to 74.0 NM Altitude: 10000.0 to 16000.0 Ft.		
9	AEX	N 31° 15' 24.22" W 92° 30' 3.51" 03 E	H	80.0	116.10	AEX	Not Used
Restriction:		Bearing [True]: 248.0° to 288.0° Bearing [Mag]: 245.0° to 285.0°			Distance: Beyond 35.0 NM Altitude: Below 1900.0 Ft.		
Restriction:		Bearing [True]: 288.0° to 248.0° Bearing [Mag]: 285.0° to 245.0°			Distance: Beyond 35.0 NM Altitude: Below 1700.0 Ft.		
ESV:		Bearing [True]: 286.0° to 298.0° Bearing [Mag]: 283.0° to 295.0°			Arc Distance: Out to 100.0 NM Altitude: 9900.0 to 20000.0 Ft.		
10	TXK	N 33° 30' 49.97" W 94° 4' 23.67" 07 E	H	270.0	116.30	TXK	Not Used
ESV:		Bearing [True]: 134.0° to 171.0° Bearing [Mag]: 127.0° to 164.0°			Arc Distance: Out to 90.0 NM Altitude: 9900.0 to 16000.0 Ft.		

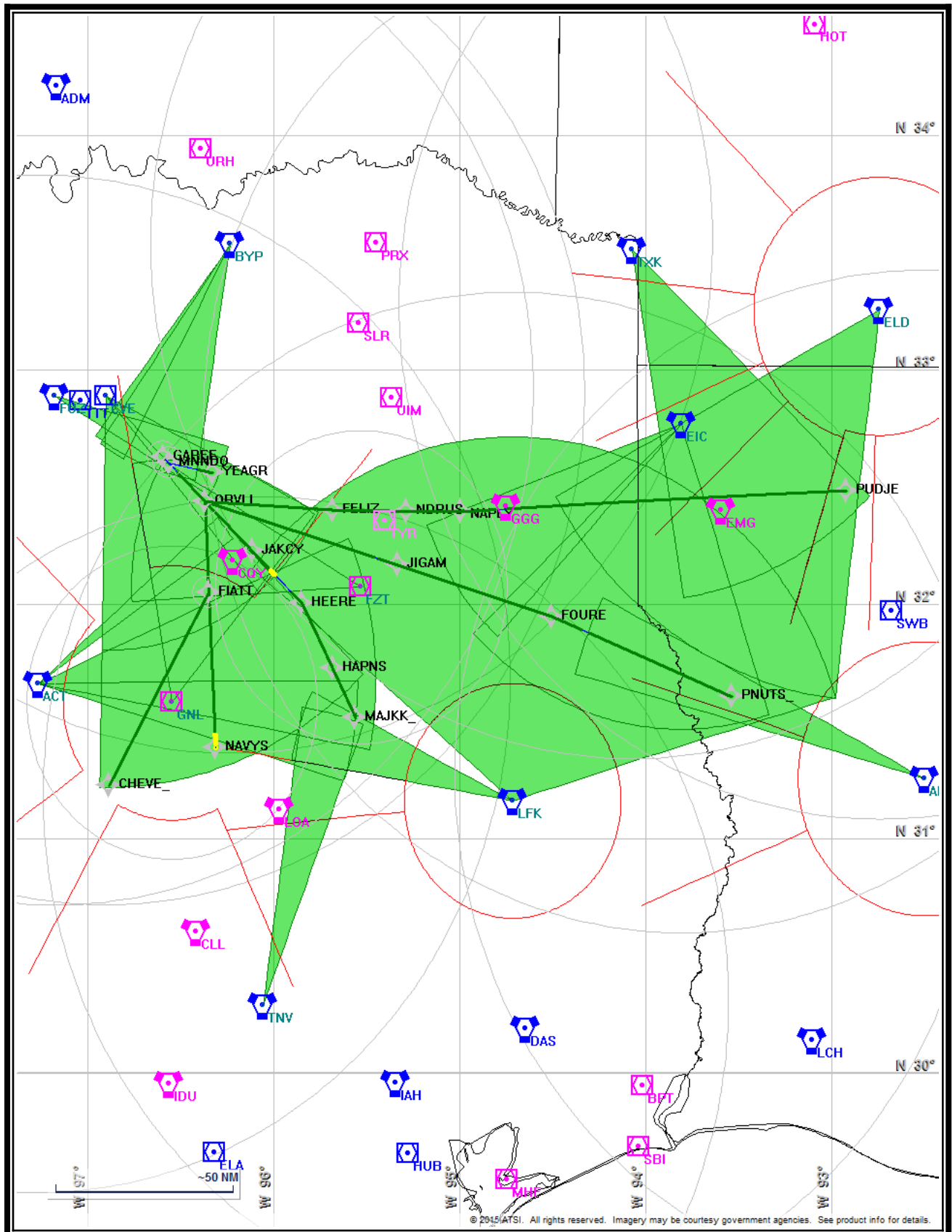
User Data (Continued)					Return To Summary		
User DMEs (Continued)							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
11	ELD	N 33° 15' 22.15" W 92° 44' 38.21" 07 E	H	230.0	115.50	ELD	Not Used
Restriction:		Bearing [True]: 122.0° to 142.0° Bearing [Mag]: 115.0° to 135.0°			Distance: Beyond 34.0 NM Altitude: Below 2400.0 Ft.		
Restriction:		Bearing [True]: 142.0° to 182.0° Bearing [Mag]: 135.0° to 175.0°			Distance: Beyond 32.0 NM Altitude: Below 2600.0 Ft.		
Restriction:		Bearing [True]: 182.0° to 197.0° Bearing [Mag]: 175.0° to 190.0°			Distance: Beyond 32.0 NM Altitude: Below 2500.0 Ft.		
Restriction:		Bearing [True]: 197.0° to 227.0° Bearing [Mag]: 190.0° to 220.0°			Distance: Beyond 34.0 NM Altitude: Below 1900.0 Ft.		
Restriction:		Bearing [True]: 227.0° to 247.0° Bearing [Mag]: 220.0° to 240.0°			Distance: Beyond 34.0 NM Altitude: Below 2000.0 Ft.		
Restriction:		Bearing [True]: 247.0° to 277.0° Bearing [Mag]: 240.0° to 270.0°			Distance: Beyond 34.0 NM Altitude: Below 1900.0 Ft.		
Restriction:		Bearing [True]: 277.0° to 317.0° Bearing [Mag]: 270.0° to 310.0°			Distance: Beyond 34.0 NM Altitude: Below 2000.0 Ft.		
Restriction:		Bearing [True]: 317.0° to 122.0° Bearing [Mag]: 310.0° to 115.0°			Distance: Beyond 34.0 NM Altitude: Below 1800.0 Ft.		
ESV:		Bearing [True]: 187.0° to 242.0° Bearing [Mag]: 180.0° to 235.0°			Arc Distance: Out to 100.0 NM Altitude: 9900.0 to 20000.0 Ft.		
12	FUZ	N 32° 53' 22.02" W 97° 10' 45.93" 06 E	H	637.4	115.70	FUZ	Not Used
ESV:		Bearing [True]: 105.0° to 121.0° Bearing [Mag]: 99.0° to 115.0°			Arc Distance: Out to 49.0 NM Altitude: 3900.0 to 16000.0 Ft.		



Name: William Roth
Project Name: KDAL MNND04 STAR
Output File: KDAL MNND04 STAR
 MAJKK_ORVLL
 20150821_0930
Procedure Name: MNND04
Software: RNAV-Pro™
Version: 2.38
Date/Time: 8/21/2015 9:32:34 AM
Input File: [KDAL MNND04 STAR
 MAJKK_ORVLL
 20150818_1458.txt](#)
Databases: AIRNAV Date: 8/4/2015
 CIFP Date: 2/5/2015
 DTED® (MAX) Date: 2002

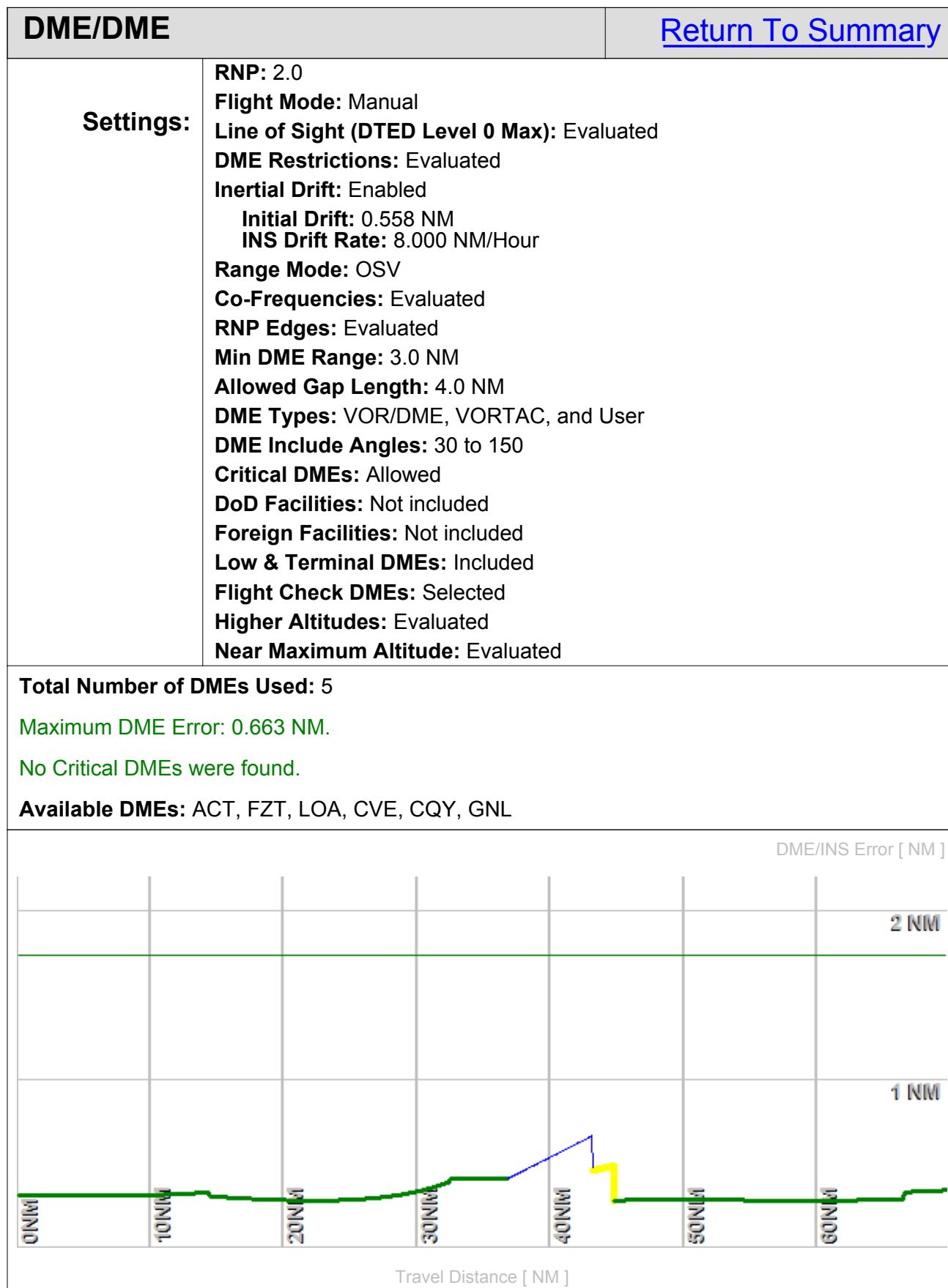
Results Summary:

Flyability	✓	
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
MAJKK_	WP	N 31° 31' 3.90" W 95° 33' 41.25"	10000.0	Step	280.0	Fly By	TF
HAPNS	WP	N 31° 43' 46.49" W 95° 41' 8.78"	10000.0	Step	280.0	Fly By	TF
HEERE	WP	N 32° 0' 15.71" W 95° 50' 56.92"	10000.0	Step	180.0	Fly By	TF
JAKCY	WP	N 32° 13' 43.65" W 96° 7' 2.43"	5000.0	Step	180.0	Fly By	TF
ORVLL	WP	N 32° 26' 20.57" W 96° 22' 13.31"	5000.0	Step	250.0	Fly Over	TF

Flyability		Return To Summary
Settings:	Flight Type: Arrival Selected Airport: KTRL Aircraft Category: Cat D Climb Gradient: <i>None assigned</i> Ground Speeds: Table: 200.0 Kts up to 29000.0 ft 280.0 Kts up to 99900.0 ft Wind Settings: <i>None assigned</i> Descent During a Turn: Allowed VNAV Mode: Flight Plan	
	Entire track is fly-able	



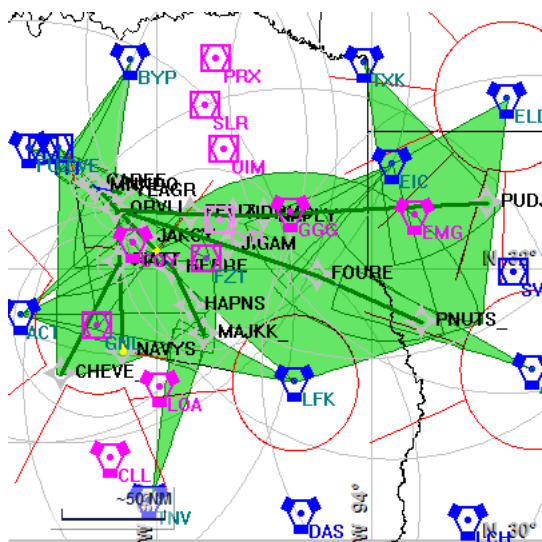
DME/DME (Continued)						Return To Summary			
DMEs Used									
#	Name	Lat/Lon/MAGVAR	Range	Source	Critical	Err. [NM]	Status	Time	Distance
1	ACT	N 31° 39' 44.39" W 97° 16' 8.53" 09 E	H + ESV	User	NO	0.818	Enabled	26.8%	26.8%
2	FZT	N 32° 4' 28.58" W 95° 31' 50.85" 06 E	L + ESV	User	NO	0.727	Enabled	71.0%	71.0%
3	CQY	N 32° 11' 8.60" W 96° 13' 5.17" 06 E	L	Database	NO	1.356	Enabled	32.3%	32.3%
4	CVE	N 32° 53' 25.12" W 96° 54' 14.27" 06 E	H + ESV	User	NO	0.727	Enabled	15.9%	15.9%
5	GNL	N 31° 34' 53.32" W 96° 32' 56.72" 05 E	L + ESV	User	NO	0.663	Enabled	35.6%	35.6%
	Total Coverage							90.8%	90.8%
Flight Check DME Selection									
Distance [NM]		Selected DMEs						Alternate	
0.0		FZT	ACT	LOA	CVE				
14.2		FZT	ACT	CQY	CVE				
32.2		FZT	ACT	CQY	CVE	GNL			
51.8		FZT	CQY	CVE	GNL				
Inertial Drift Segments									
#	Start Location			End Location				Length [NM]	
1	N 32° 3' 13.27" W 95° 54' 28.11"			N 32° 7' 40.24" W 95° 59' 47.06"				6.3	
VOR: TYR			Available from N 32° 3' 13.27" W 95° 54' 28.11" to N 32° 7' 40.24" W 95° 59' 47.06"						
VOR: CQY			Available from N 32° 3' 13.27" W 95° 54' 28.11" to N 32° 7' 40.24" W 95° 59' 47.06"						
VOR: FZT			Available from N 32° 3' 13.27" W 95° 54' 28.11" to N 32° 7' 40.24" W 95° 59' 47.06"						

Available DMEs by Waypoints		Return To Summary
Waypoint Before	Waypoint After	DME List
MAJKK_	HAPNS	FZT, CVE, ACT, and LOA
HAPNS	HEERE	FZT, CVE, ACT, and CQY
HEERE	JAKCY	FZT, GNL, CVE, ACT, and CQY
JAKCY	ORVLL	FZT, GNL, CVE, and CQY

User Data					Return To Summary		
User Data Files							
#	File Name						
1	UserDMEs_KDAL MNND04 CHEVE_ FIATT 20150818_1534.udt						
User DMEs							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	ACT	N 31° 39' 44.39" W 97° 16' 8.53" 09 E	H	510.0	115.30	ACT	Used
		ESV:	Bearing [True]: 49.0° to 55.0° Bearing [Mag]: 40.0° to 46.0°		Arc Distance: Out to 65.0 NM Altitude: 4100.0 to 16000.0 Ft.		
		ESV:	Bearing [True]: 89.0° to 106.0° Bearing [Mag]: 80.0° to 97.0°		Arc Distance: Out to 88.0 NM Altitude: 9900.0 to 16000.0 Ft.		
		ESV:	Bearing [True]: 66.0° to 100.0° Bearing [Mag]: 57.0° to 91.0°		Arc Distance: Out to 93.0 NM Altitude: 7600.0 to 16000.0 Ft.		
2	BYP	N 33° 32' 14.95" W 96° 14' 2.74" 06 E	H	700.0	114.60	BYP	Not Used
		ESV:	Bearing [True]: 208.0° to 215.0° Bearing [Mag]: 202.0° to 209.0°		Arc Distance: Out to 62.0 NM Altitude: 4000.0 to 16000.0 Ft.		
		ESV:	Bearing [True]: 189.0° to 217.0° Bearing [Mag]: 183.0° to 211.0°		Arc Distance: Out to 61.0 NM Altitude: 3800.0 to 16000.0 Ft.		
3	CVE	N 32° 53' 25.12" W 96° 54' 14.27" 06 E	H	450.0	116.20	CVE	Used
		ESV:	Bearing [True]: 135.0° to 181.0° Bearing [Mag]: 129.0° to 175.0°		Arc Distance: Out to 65.0 NM Altitude: 4000.0 to 20000.0 Ft.		
		ESV:	Bearing [True]: 135.0° to 181.0° Bearing [Mag]: 129.0° to 175.0°		Arc Distance: Out to 100.0 NM Altitude: 9000.0 to 20000.0 Ft.		
		ESV:	Bearing [True]: 117.0° to 140.0° Bearing [Mag]: 111.0° to 134.0°		Arc Distance: Out to 65.0 NM Altitude: 5000.0 to 16000.0 Ft.		
4	GNL	N 31° 34' 53.32" W 96° 32' 56.72" 05 E	L	514.1	108.80	GNL	Used
		Restriction:	Bearing [True]: 155.0° to 210.0° Bearing [Mag]: 150.0° to 205.0°		Distance: Beyond 30.0 NM Altitude: Below 2500.0 Ft.		
		Restriction:	Bearing [True]: 235.0° to 315.0° Bearing [Mag]: 230.0° to 310.0°		Distance: Beyond 30.0 NM Altitude: Below 2400.0 Ft.		
		Restriction:	Bearing [True]: 350.0° to 40.0° Bearing [Mag]: 345.0° to 35.0°		Distance: Beyond 35.0 NM Altitude: Below 2500.0 Ft.		
		ESV:	Bearing [True]: 350.0° to 39.0° Bearing [Mag]: 345.0° to 34.0°		Arc Distance: Out to 62.0 NM Altitude: 4000.0 to 20000.0 Ft.		
5	FZT	N 32° 4' 28.58" W 95° 31' 50.85" 06 E	L	304.7	111.40	FZT	Used
		ESV:	Bearing [True]: 267.0° to 301.0° Bearing [Mag]: 261.0° to 295.0°		Arc Distance: Out to 63.0 NM Altitude: 4000.0 to 20000.0 Ft.		

User Data (Continued)					Return To Summary		
User DMEs (Continued)							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
6	LFK	N 31° 9' 44.79" W 94° 43' 0.60" 05 E	H	207.3	112.10	LFK	Not Used
Restriction:		Bearing [True]: 265.0° to 280.0° Bearing [Mag]: 260.0° to 275.0°			Distance: Beyond 30.0 NM Altitude: Below 99999.0 Ft.		
Restriction:		Bearing [True]: 280.0° to 265.0° Bearing [Mag]: 275.0° to 260.0°			Distance: Beyond 30.0 NM Altitude: Below 2500.0 Ft.		
ESV:		Bearing [True]: 280.0° to 297.0° Bearing [Mag]: 275.0° to 292.0°			Arc Distance: Out to 62.0 NM Altitude: 9900.0 to 16000.0 Ft.		
ESV:		Bearing [True]: 310.0° to 73.0° Bearing [Mag]: 305.0° to 68.0°			Arc Distance: Out to 93.0 NM Altitude: 8500.0 to 16000.0 Ft.		
7	TNV	N 30° 17' 18.70" W 96° 3' 29.66" 08 E	H	247.4	115.90	TNV	Not Used
ESV:		Bearing [True]: 8.0° to 21.0° Bearing [Mag]: 360.0° to 13.0°			Arc Distance: Out to 77.0 NM Altitude: 9900.0 to 16000.0 Ft.		
8	EIC	N 32° 46' 16.91" W 93° 48' 35.75" 07 E	H	190.0	117.40	EIC	Not Used
ESV:		Bearing [True]: 162.0° to 227.0° Bearing [Mag]: 155.0° to 220.0°			Arc Distance: Out to 78.0 NM Altitude: 9900.0 to 16000.0 Ft.		
ESV:		Bearing [True]: 223.0° to 250.0° Bearing [Mag]: 216.0° to 243.0°			Arc Distance: Out to 74.0 NM Altitude: 10000.0 to 16000.0 Ft.		
9	AEX	N 31° 15' 24.22" W 92° 30' 3.51" 03 E	H	80.0	116.10	AEX	Not Used
Restriction:		Bearing [True]: 248.0° to 288.0° Bearing [Mag]: 245.0° to 285.0°			Distance: Beyond 35.0 NM Altitude: Below 1900.0 Ft.		
Restriction:		Bearing [True]: 288.0° to 248.0° Bearing [Mag]: 285.0° to 245.0°			Distance: Beyond 35.0 NM Altitude: Below 1700.0 Ft.		
ESV:		Bearing [True]: 286.0° to 298.0° Bearing [Mag]: 283.0° to 295.0°			Arc Distance: Out to 100.0 NM Altitude: 9900.0 to 20000.0 Ft.		
10	TXK	N 33° 30' 49.97" W 94° 4' 23.67" 07 E	H	270.0	116.30	TXK	Not Used
ESV:		Bearing [True]: 134.0° to 171.0° Bearing [Mag]: 127.0° to 164.0°			Arc Distance: Out to 90.0 NM Altitude: 9900.0 to 16000.0 Ft.		

User Data (Continued)					Return To Summary		
User DMEs (Continued)							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
11	ELD	N 33° 15' 22.15" W 92° 44' 38.21" 07 E	H	230.0	115.50	ELD	Not Used
Restriction:		Bearing [True]: 122.0° to 142.0° Bearing [Mag]: 115.0° to 135.0°			Distance: Beyond 34.0 NM Altitude: Below 2400.0 Ft.		
Restriction:		Bearing [True]: 142.0° to 182.0° Bearing [Mag]: 135.0° to 175.0°			Distance: Beyond 32.0 NM Altitude: Below 2600.0 Ft.		
Restriction:		Bearing [True]: 182.0° to 197.0° Bearing [Mag]: 175.0° to 190.0°			Distance: Beyond 32.0 NM Altitude: Below 2500.0 Ft.		
Restriction:		Bearing [True]: 197.0° to 227.0° Bearing [Mag]: 190.0° to 220.0°			Distance: Beyond 34.0 NM Altitude: Below 1900.0 Ft.		
Restriction:		Bearing [True]: 227.0° to 247.0° Bearing [Mag]: 220.0° to 240.0°			Distance: Beyond 34.0 NM Altitude: Below 2000.0 Ft.		
Restriction:		Bearing [True]: 247.0° to 277.0° Bearing [Mag]: 240.0° to 270.0°			Distance: Beyond 34.0 NM Altitude: Below 1900.0 Ft.		
Restriction:		Bearing [True]: 277.0° to 317.0° Bearing [Mag]: 270.0° to 310.0°			Distance: Beyond 34.0 NM Altitude: Below 2000.0 Ft.		
Restriction:		Bearing [True]: 317.0° to 122.0° Bearing [Mag]: 310.0° to 115.0°			Distance: Beyond 34.0 NM Altitude: Below 1800.0 Ft.		
ESV:		Bearing [True]: 187.0° to 242.0° Bearing [Mag]: 180.0° to 235.0°			Arc Distance: Out to 100.0 NM Altitude: 9900.0 to 20000.0 Ft.		
12	FUZ	N 32° 53' 22.02" W 97° 10' 45.93" 06 E	H	637.4	115.70	FUZ	Not Used
ESV:		Bearing [True]: 105.0° to 121.0° Bearing [Mag]: 99.0° to 115.0°			Arc Distance: Out to 49.0 NM Altitude: 3900.0 to 16000.0 Ft.		



Name: William Roth
Project Name: KDAL MNND04 STAR
Output File: KDAL MNND04 STAR
NAVYS ORVLL
20150821_0930
Procedure Name: MNND04
Software: RNAV-Pro™
Version: 2.38
Date/Time: 8/21/2015 9:33:53 AM
Input File: [KDAL MNND04 STAR
NAVYS ORVLL
20150818_1459.txt](#)
Databases: AIRNAV Date: 8/4/2015
CIFP Date: 2/5/2015
DTED® (MAX) Date: 2002

Results Summary:

Flyability



DME/DME



No Critical DMEs Exist

Radars

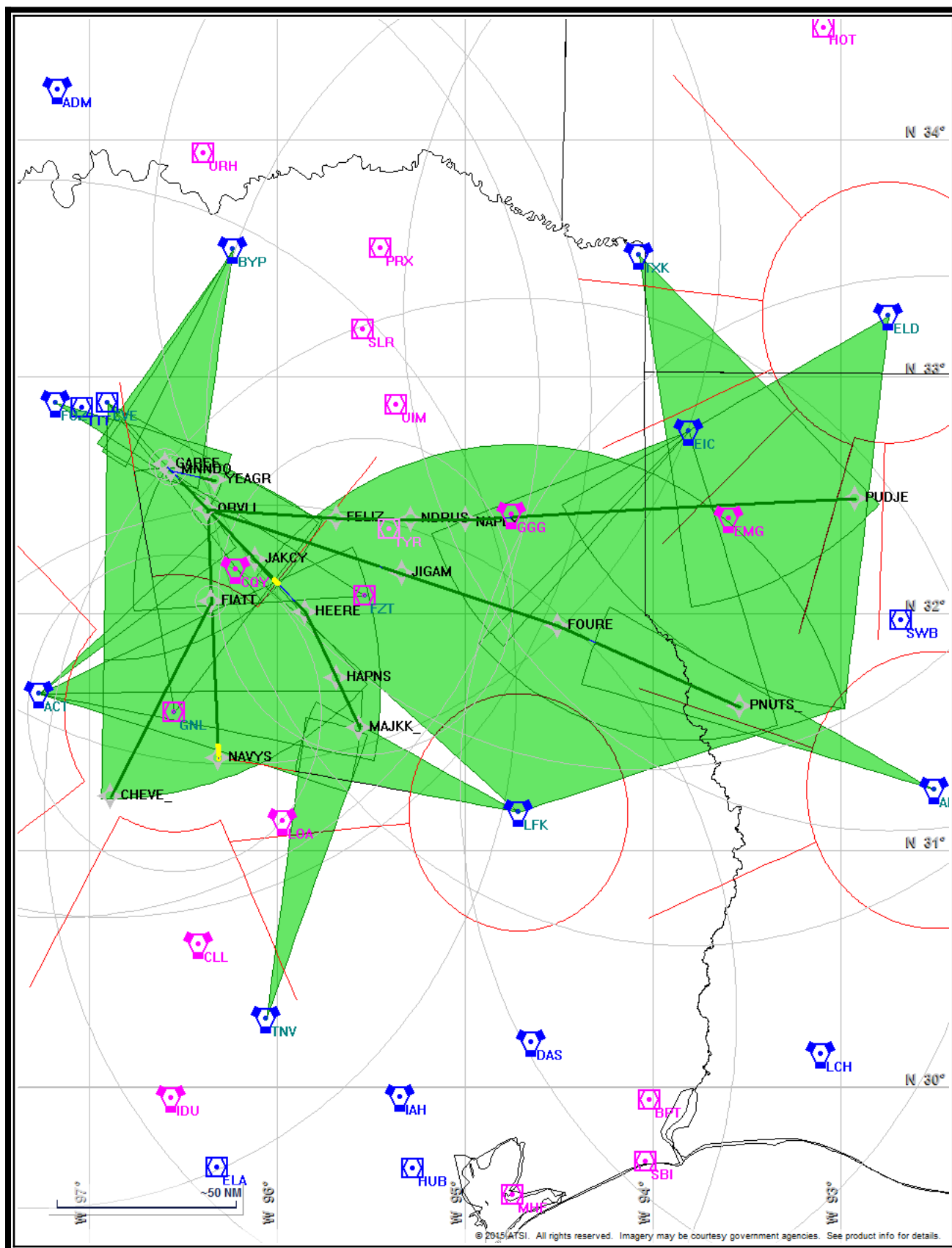


Comms



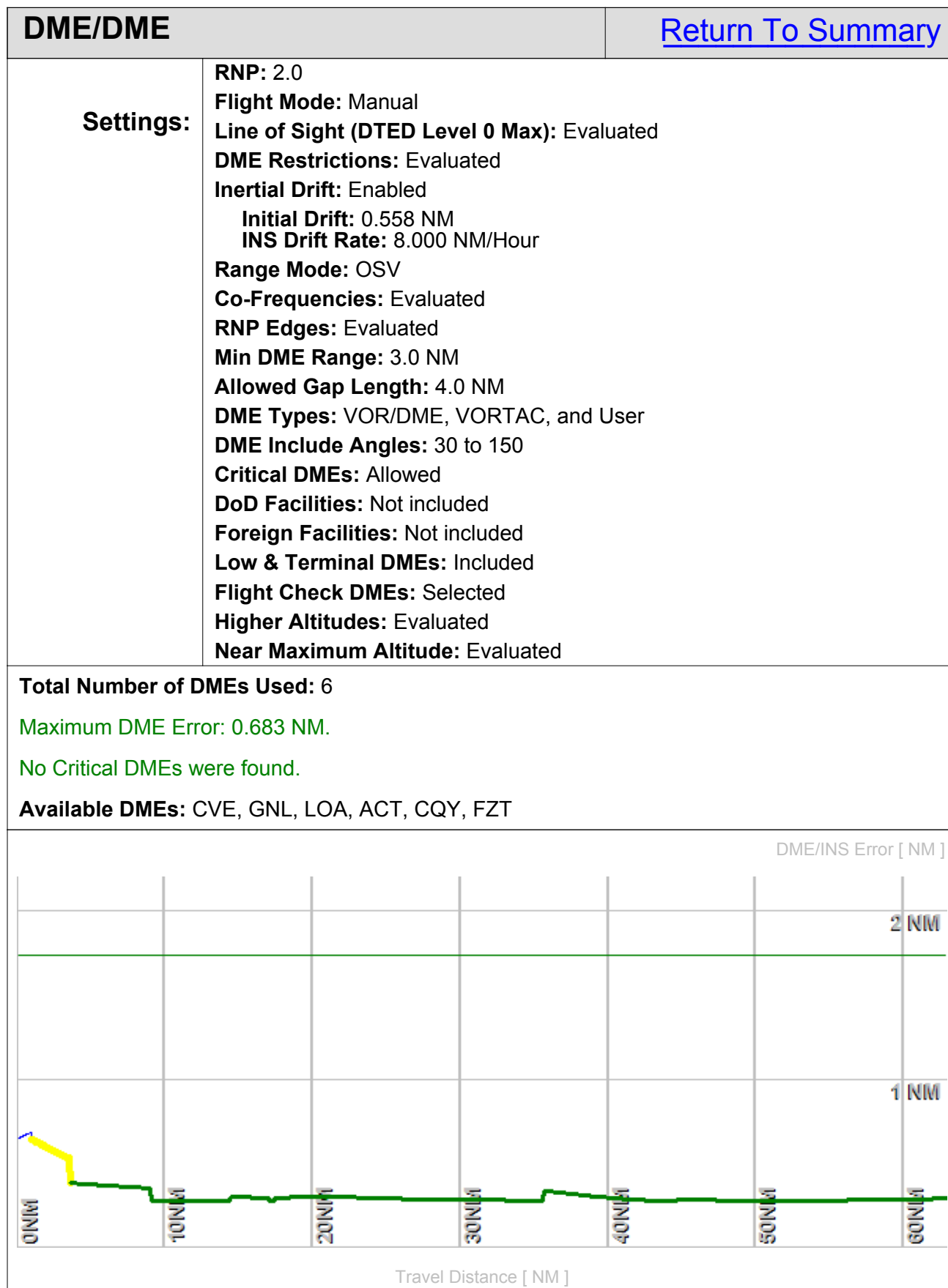
TERPS





Flight Plan					Return To Summary		
Name	Type	Lat/Lon	Alt [ft]	VNAV Mode	IAS [Kts]	Turn Type	Leg Type
NAVYS	WP	N 31° 23' 17.45" W 96° 18' 49.26"	10000.0	Step	180.0	Fly By	TF
FIATT	WP	N 32° 3' 5.56" W 96° 21' 3.12"	10000.0	Step	180.0	Fly By	TF
ORVLL	WP	N 32° 26' 20.57" W 96° 22' 13.31"	5000.0	Step	250.0	Fly Over	TF

Flyability		Return To Summary
Settings:	Flight Type: Arrival Selected Airport: KTRL Aircraft Category: Cat D Climb Gradient: <i>None assigned</i> Ground Speeds: Table: 200.0 Kts up to 29000.0 ft 280.0 Kts up to 99900.0 ft Wind Settings: <i>None assigned</i> Descent During a Turn: Allowed VNAV Mode: Flight Plan	
	Entire track is fly-able	



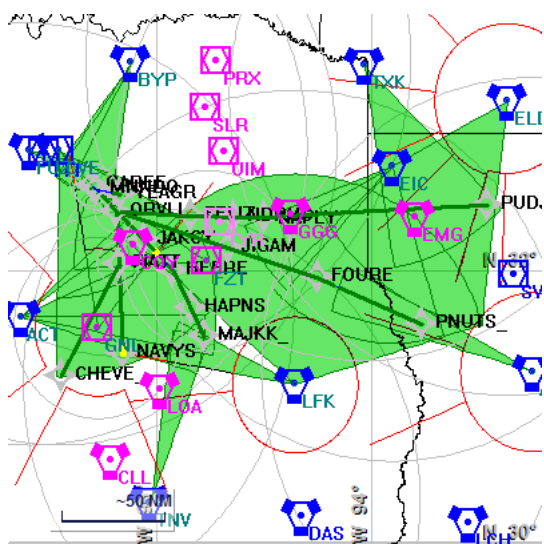
DME/DME (Continued)						Return To Summary			
DMEs Used									
#	Name	Lat/Lon/MAGVAR	Range	Source	Critical	Err. [NM]	Status	Time	Distance
1	CVE	N 32° 53' 25.12" W 96° 54' 14.27" 06 E	H + ESV	User	NO	0.785	Enabled	61.4%	61.4%
2	LOA	N 31° 7' 26.46" W 95° 58' 4.64" 08 E	L	Database	NO	0.700	Enabled	0.7%	0.7%
3	GNL	N 31° 34' 53.32" W 96° 32' 56.72" 05 E	L + ESV	User	NO	0.700	Enabled	42.4%	42.4%
4	ACT	N 31° 39' 44.39" W 97° 16' 8.53" 09 E	H + ESV	User	NO	0.683	Enabled	41.6%	41.6%
5	CQY	N 32° 11' 8.60" W 96° 13' 5.17" 06 E	L	Database	NO	0.683	Enabled	24.6%	24.6%
6	FZT	N 32° 4' 28.58" W 95° 31' 50.85" 06 E	L + ESV	User	NO	0.683	Enabled	26.5%	26.5%
	Total Coverage							98.6%	98.6%
Flight Check DME Selection									
Distance [NM]		Selected DMEs						Alternate	
0.0		CVE	LOA	GNL	ACT	CQY			
29.6		CVE	FZT	GNL	ACT	CQY			
39.7		CVE	FZT	GNL	ACT	CQY			
Inertial Drift Segments									
#	Start Location			End Location			Length [NM]		
1	N 31° 23' 24.29" W 96° 18' 49.64"			N 31° 24' 14.26" W 96° 18' 52.42"			0.8		
VOR: LOA				Available from N 31° 23' 24.29" W 96° 18' 49.64" to N 31° 24' 14.26" W 96° 18' 52.42"					
VOR: GNL				Available from N 31° 23' 24.29" W 96° 18' 49.64" to N 31° 24' 14.26" W 96° 18' 52.42"					

Available DMEs by Waypoints		Return To Summary
Waypoint Before	Waypoint After	DME List
NAVYS	FIATT	FZT, GNL, CVE, ACT, CQY, and LOA
FIATT	ORVLL	FZT, GNL, CVE, ACT, and CQY

User Data					Return To Summary		
User Data Files							
#	File Name						
1	UserDMEs_KDAL MNND04 CHEVE_ FIATT 20150818_1534.udt						
User DMEs							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	ACT	N 31° 39' 44.39" W 97° 16' 8.53" 09 E	H	510.0	115.30	ACT	Used
		ESV:	Bearing [True]: 49.0° to 55.0° Bearing [Mag]: 40.0° to 46.0°		Arc Distance: Out to 65.0 NM Altitude: 4100.0 to 16000.0 Ft.		
		ESV:	Bearing [True]: 89.0° to 106.0° Bearing [Mag]: 80.0° to 97.0°		Arc Distance: Out to 88.0 NM Altitude: 9900.0 to 16000.0 Ft.		
		ESV:	Bearing [True]: 66.0° to 100.0° Bearing [Mag]: 57.0° to 91.0°		Arc Distance: Out to 93.0 NM Altitude: 7600.0 to 16000.0 Ft.		
2	BYP	N 33° 32' 14.95" W 96° 14' 2.74" 06 E	H	700.0	114.60	BYP	Not Used
		ESV:	Bearing [True]: 208.0° to 215.0° Bearing [Mag]: 202.0° to 209.0°		Arc Distance: Out to 62.0 NM Altitude: 4000.0 to 16000.0 Ft.		
		ESV:	Bearing [True]: 189.0° to 217.0° Bearing [Mag]: 183.0° to 211.0°		Arc Distance: Out to 61.0 NM Altitude: 3800.0 to 16000.0 Ft.		
3	CVE	N 32° 53' 25.12" W 96° 54' 14.27" 06 E	H	450.0	116.20	CVE	Used
		ESV:	Bearing [True]: 135.0° to 181.0° Bearing [Mag]: 129.0° to 175.0°		Arc Distance: Out to 65.0 NM Altitude: 4000.0 to 20000.0 Ft.		
		ESV:	Bearing [True]: 135.0° to 181.0° Bearing [Mag]: 129.0° to 175.0°		Arc Distance: Out to 100.0 NM Altitude: 9000.0 to 20000.0 Ft.		
		ESV:	Bearing [True]: 117.0° to 140.0° Bearing [Mag]: 111.0° to 134.0°		Arc Distance: Out to 65.0 NM Altitude: 5000.0 to 16000.0 Ft.		
4	GNL	N 31° 34' 53.32" W 96° 32' 56.72" 05 E	L	514.1	108.80	GNL	Used
		Restriction:	Bearing [True]: 155.0° to 210.0° Bearing [Mag]: 150.0° to 205.0°		Distance: Beyond 30.0 NM Altitude: Below 2500.0 Ft.		
		Restriction:	Bearing [True]: 235.0° to 315.0° Bearing [Mag]: 230.0° to 310.0°		Distance: Beyond 30.0 NM Altitude: Below 2400.0 Ft.		
		Restriction:	Bearing [True]: 350.0° to 40.0° Bearing [Mag]: 345.0° to 35.0°		Distance: Beyond 35.0 NM Altitude: Below 2500.0 Ft.		
		ESV:	Bearing [True]: 350.0° to 39.0° Bearing [Mag]: 345.0° to 34.0°		Arc Distance: Out to 62.0 NM Altitude: 4000.0 to 20000.0 Ft.		
5	FZT	N 32° 4' 28.58" W 95° 31' 50.85" 06 E	L	304.7	111.40	FZT	Used
		ESV:	Bearing [True]: 267.0° to 301.0° Bearing [Mag]: 261.0° to 295.0°		Arc Distance: Out to 63.0 NM Altitude: 4000.0 to 20000.0 Ft.		

User Data (Continued)					Return To Summary		
User DMEs (Continued)							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
6	LFK	N 31° 9' 44.79" W 94° 43' 0.60" 05 E	H	207.3	112.10	LFK	Not Used
Restriction:		Bearing [True]: 265.0° to 280.0° Bearing [Mag]: 260.0° to 275.0°			Distance: Beyond 30.0 NM Altitude: Below 99999.0 Ft.		
Restriction:		Bearing [True]: 280.0° to 265.0° Bearing [Mag]: 275.0° to 260.0°			Distance: Beyond 30.0 NM Altitude: Below 2500.0 Ft.		
ESV:		Bearing [True]: 280.0° to 297.0° Bearing [Mag]: 275.0° to 292.0°			Arc Distance: Out to 62.0 NM Altitude: 9900.0 to 16000.0 Ft.		
ESV:		Bearing [True]: 310.0° to 73.0° Bearing [Mag]: 305.0° to 68.0°			Arc Distance: Out to 93.0 NM Altitude: 8500.0 to 16000.0 Ft.		
7	TNV	N 30° 17' 18.70" W 96° 3' 29.66" 08 E	H	247.4	115.90	TNV	Not Used
ESV:		Bearing [True]: 8.0° to 21.0° Bearing [Mag]: 360.0° to 13.0°			Arc Distance: Out to 77.0 NM Altitude: 9900.0 to 16000.0 Ft.		
8	EIC	N 32° 46' 16.91" W 93° 48' 35.75" 07 E	H	190.0	117.40	EIC	Not Used
ESV:		Bearing [True]: 162.0° to 227.0° Bearing [Mag]: 155.0° to 220.0°			Arc Distance: Out to 78.0 NM Altitude: 9900.0 to 16000.0 Ft.		
ESV:		Bearing [True]: 223.0° to 250.0° Bearing [Mag]: 216.0° to 243.0°			Arc Distance: Out to 74.0 NM Altitude: 10000.0 to 16000.0 Ft.		
9	AEX	N 31° 15' 24.22" W 92° 30' 3.51" 03 E	H	80.0	116.10	AEX	Not Used
Restriction:		Bearing [True]: 248.0° to 288.0° Bearing [Mag]: 245.0° to 285.0°			Distance: Beyond 35.0 NM Altitude: Below 1900.0 Ft.		
Restriction:		Bearing [True]: 288.0° to 248.0° Bearing [Mag]: 285.0° to 245.0°			Distance: Beyond 35.0 NM Altitude: Below 1700.0 Ft.		
ESV:		Bearing [True]: 286.0° to 298.0° Bearing [Mag]: 283.0° to 295.0°			Arc Distance: Out to 100.0 NM Altitude: 9900.0 to 20000.0 Ft.		
10	TXK	N 33° 30' 49.97" W 94° 4' 23.67" 07 E	H	270.0	116.30	TXK	Not Used
ESV:		Bearing [True]: 134.0° to 171.0° Bearing [Mag]: 127.0° to 164.0°			Arc Distance: Out to 90.0 NM Altitude: 9900.0 to 16000.0 Ft.		

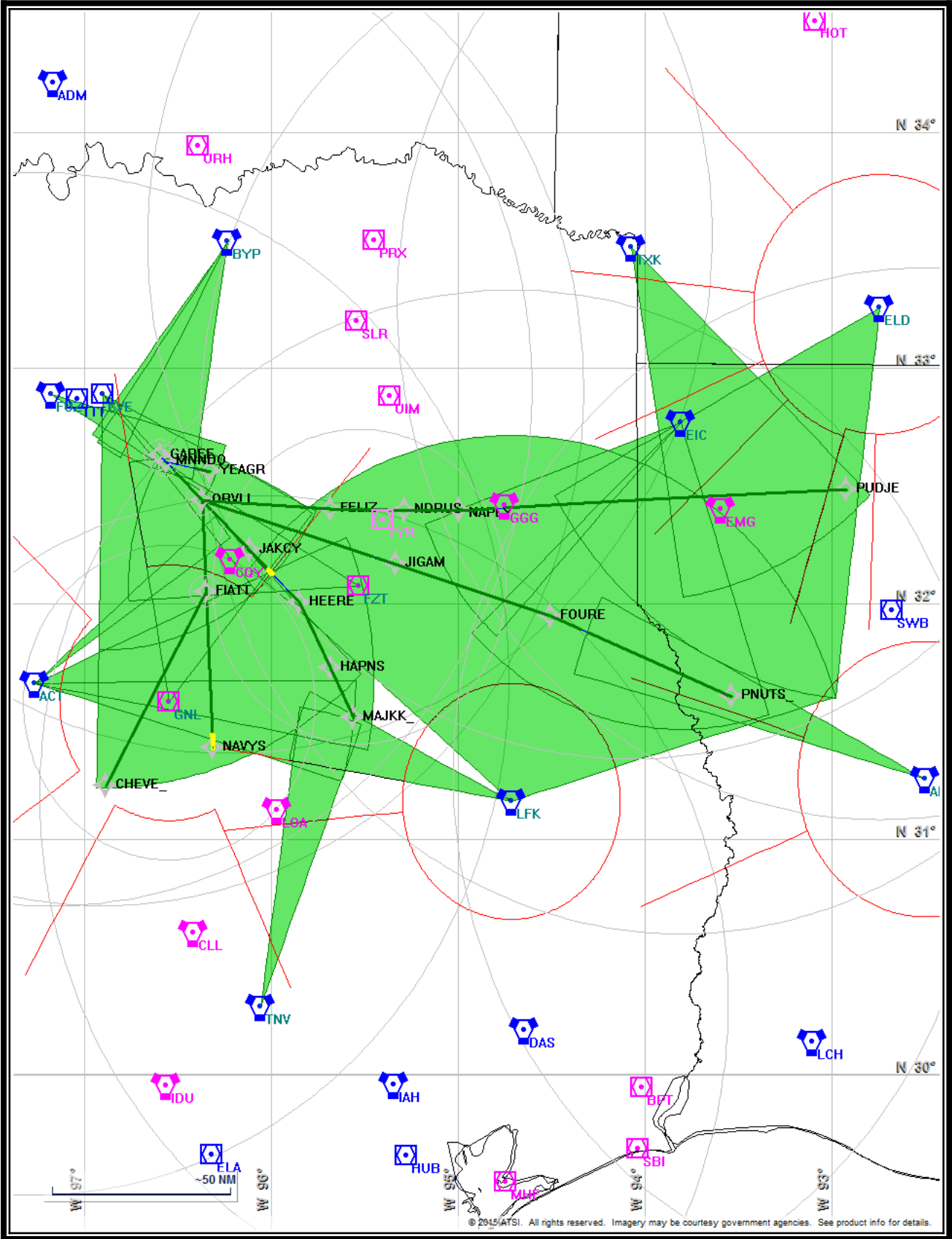
User Data (Continued)					Return To Summary		
User DMEs (Continued)							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
11	ELD	N 33° 15' 22.15" W 92° 44' 38.21" 07 E	H	230.0	115.50	ELD	Not Used
Restriction:		Bearing [True]: 122.0° to 142.0° Bearing [Mag]: 115.0° to 135.0°			Distance: Beyond 34.0 NM Altitude: Below 2400.0 Ft.		
Restriction:		Bearing [True]: 142.0° to 182.0° Bearing [Mag]: 135.0° to 175.0°			Distance: Beyond 32.0 NM Altitude: Below 2600.0 Ft.		
Restriction:		Bearing [True]: 182.0° to 197.0° Bearing [Mag]: 175.0° to 190.0°			Distance: Beyond 32.0 NM Altitude: Below 2500.0 Ft.		
Restriction:		Bearing [True]: 197.0° to 227.0° Bearing [Mag]: 190.0° to 220.0°			Distance: Beyond 34.0 NM Altitude: Below 1900.0 Ft.		
Restriction:		Bearing [True]: 227.0° to 247.0° Bearing [Mag]: 220.0° to 240.0°			Distance: Beyond 34.0 NM Altitude: Below 2000.0 Ft.		
Restriction:		Bearing [True]: 247.0° to 277.0° Bearing [Mag]: 240.0° to 270.0°			Distance: Beyond 34.0 NM Altitude: Below 1900.0 Ft.		
Restriction:		Bearing [True]: 277.0° to 317.0° Bearing [Mag]: 270.0° to 310.0°			Distance: Beyond 34.0 NM Altitude: Below 2000.0 Ft.		
Restriction:		Bearing [True]: 317.0° to 122.0° Bearing [Mag]: 310.0° to 115.0°			Distance: Beyond 34.0 NM Altitude: Below 1800.0 Ft.		
ESV:		Bearing [True]: 187.0° to 242.0° Bearing [Mag]: 180.0° to 235.0°			Arc Distance: Out to 100.0 NM Altitude: 9900.0 to 20000.0 Ft.		
12	FUZ	N 32° 53' 22.02" W 97° 10' 45.93" 06 E	H	637.4	115.70	FUZ	Not Used
ESV:		Bearing [True]: 105.0° to 121.0° Bearing [Mag]: 99.0° to 115.0°			Arc Distance: Out to 49.0 NM Altitude: 3900.0 to 16000.0 Ft.		



Name: William Roth
Project Name: KDAL MNND04 STAR
Output File: KDAL MNND04 STAR
 PNUTS_ORVLL
 20150821_0930
Procedure Name: MNND04
Software: RNAV-Pro™
Version: 2.38
Date/Time: 8/21/2015 9:35:16 AM
Input File: [KDAL MNND04 STAR
 PNUTS_ORVLL
 20150818_1458.txt](#)
Databases: AIRNAV Date: 8/4/2015
 CIFP Date: 2/5/2015
 DTED® (MAX) Date: 2002

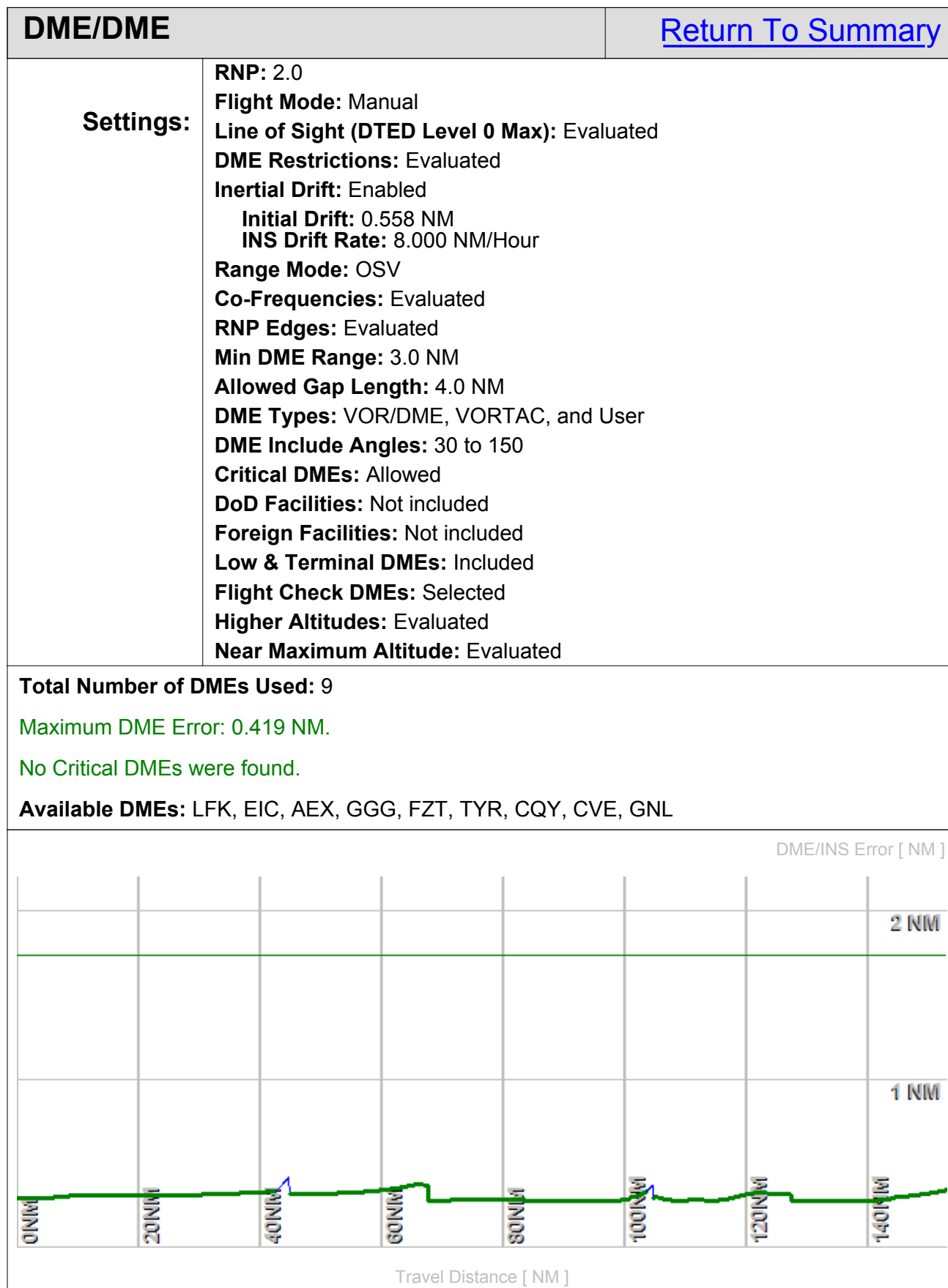
Results Summary:

Flyability	✓	
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
PNUTS_	WP	N 31° 36' 23.54" W 93° 32' 19.90"	10000.0	Step	180.0	Fly By	TF
FOURE	WP	N 31° 56' 55.93" W 94° 30' 19.05"	10000.0	Step	180.0	Fly By	TF
JIGAM	WP	N 32° 10' 7.19" W 95° 20' 13.44"	10000.0	Step	280.0	Fly By	TF
ORVLL	WP	N 32° 26' 20.57" W 96° 22' 13.31"	5000.0	Step	250.0	Fly Over	TF

Flyability		Return To Summary
Settings:	Flight Type: Arrival Selected Airport: KTRL Aircraft Category: Cat D Climb Gradient: <i>None assigned</i> Ground Speeds: Table: 200.0 Kts up to 29000.0 ft 280.0 Kts up to 99900.0 ft Wind Settings: <i>None assigned</i> Descent During a Turn: Allowed VNAV Mode: Flight Plan	
	Entire track is fly-able	



DME/DME (Continued)						Return To Summary			
DMEs Used									
#	Name	Lat/Lon/MAGVAR	Range	Source	Critical	Err. [NM]	Status	Time	Distance
1	LFK	N 31° 9' 44.79" W 94° 43' 0.60" 05 E	H + ESV	User	NO	0.419	Enabled	17.1%	17.1%
2	EIC	N 32° 46' 16.91" W 93° 48' 35.75" 07 E	H + ESV	User	NO	1.017	Enabled	42.8%	42.8%
3	AEX	N 31° 15' 24.22" W 92° 30' 3.51" 03 E	H + ESV	User	NO	1.197	Enabled	21.7%	21.7%
4	GGG	N 32° 25' 3.91" W 94° 45' 11.50" 07 E	L	Database	NO	0.925	Enabled	29.8%	29.8%
5	FZT	N 32° 4' 28.58" W 95° 31' 50.85" 06 E	L + ESV	User	NO	1.059	Enabled	34.3%	34.3%
6	TYR	N 32° 21' 21.12" W 95° 24' 12.48" 06 E	T	Database	NO	0.439	Enabled	16.1%	16.1%
7	CQY	N 32° 11' 8.60" W 96° 13' 5.17" 06 E	L	Database	NO	0.551	Enabled	11.5%	11.5%
8	GNL	N 31° 34' 53.32" W 96° 32' 56.72" 05 E	L + ESV	User	NO	0.676	Enabled	14.5%	14.5%
9	CVE	N 32° 53' 25.12" W 96° 54' 14.27" 06 E	H + ESV	User	NO	0.651	Enabled	8.0%	8.0%
	Total Coverage							97.9%	97.9%
Flight Check DME Selection									
Distance [NM]		Selected DMEs						Alternate	
0.0		EIC	GGG	AEX	LFK				
53.3		EIC	GGG	FZT	LFK	TYR			
97.9		CQY	GGG	FZT	LFK	TYR			
125.4		CQY	GNL	FZT	CVE	TYR			
Inertial Drift Segments									
#	Start Location			End Location			Length [NM]		
1	N 31° 52' 48.48" W 94° 18' 32.18"			N 31° 53' 35.49" W 94° 20' 46.15"			2.1		
<div>VOR: GGG</div> <div>Available from N 31° 52' 48.48" W 94° 18' 32.18" to N 31° 53' 35.49" W 94° 20' 46.15"</div>									

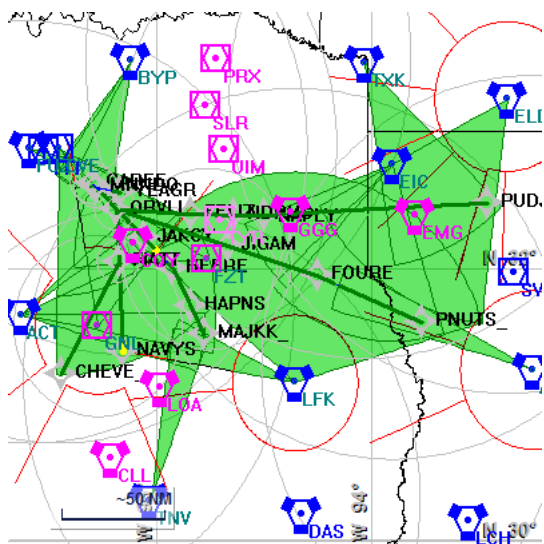
DME/DME (Continued)			Return To Summary
<i>Inertial Drift Segments (Continued)</i>			
#	Start Location	End Location	Length [NM]
2	N 32° 11' 47.28" W 95° 26' 30.41"	N 32° 12' 5.22" W 95° 27' 37.90"	1.0
	VOR: TYR	Available from N 32° 11' 47.28" W 95° 26' 30.41" to N 32° 12' 5.22" W 95° 27' 37.90"	
	VOR: CQY	Available from N 32° 11' 47.28" W 95° 26' 30.41" to N 32° 12' 5.22" W 95° 27' 37.90"	
	VOR: FZT	Available from N 32° 11' 47.28" W 95° 26' 30.41" to N 32° 12' 5.22" W 95° 27' 37.90"	
	VOR: GGG	Available from N 32° 11' 47.28" W 95° 26' 30.41" to N 32° 12' 5.22" W 95° 27' 37.90"	

Available DMEs by Waypoints		Return To Summary
Waypoint Before	Waypoint After	DME List
PNUTS_	FOURE	AEX, EIC, LFK, and GGG
FOURE	JIGAM	EIC, LFK, FZT, GGG, and TYR
JIGAM	ORVLL	LFK, FZT, GNL, CVE, CQY, GGG, and TYR

User Data					Return To Summary		
User Data Files							
#	File Name						
1	UserDMEs_KDAL MNND04 CHEVE_ FIATT 20150818_1534.udt						
User DMEs							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	ACT	N 31° 39' 44.39" W 97° 16' 8.53" 09 E	H	510.0	115.30	ACT	Not Used
		ESV:	Bearing [True]: 49.0° to 55.0° Bearing [Mag]: 40.0° to 46.0°		Arc Distance: Out to 65.0 NM Altitude: 4100.0 to 16000.0 Ft.		
		ESV:	Bearing [True]: 89.0° to 106.0° Bearing [Mag]: 80.0° to 97.0°		Arc Distance: Out to 88.0 NM Altitude: 9900.0 to 16000.0 Ft.		
		ESV:	Bearing [True]: 66.0° to 100.0° Bearing [Mag]: 57.0° to 91.0°		Arc Distance: Out to 93.0 NM Altitude: 7600.0 to 16000.0 Ft.		
2	BYP	N 33° 32' 14.95" W 96° 14' 2.74" 06 E	H	700.0	114.60	BYP	Not Used
		ESV:	Bearing [True]: 208.0° to 215.0° Bearing [Mag]: 202.0° to 209.0°		Arc Distance: Out to 62.0 NM Altitude: 4000.0 to 16000.0 Ft.		
		ESV:	Bearing [True]: 189.0° to 217.0° Bearing [Mag]: 183.0° to 211.0°		Arc Distance: Out to 61.0 NM Altitude: 3800.0 to 16000.0 Ft.		
3	CVE	N 32° 53' 25.12" W 96° 54' 14.27" 06 E	H	450.0	116.20	CVE	Used
		ESV:	Bearing [True]: 135.0° to 181.0° Bearing [Mag]: 129.0° to 175.0°		Arc Distance: Out to 65.0 NM Altitude: 4000.0 to 20000.0 Ft.		
		ESV:	Bearing [True]: 135.0° to 181.0° Bearing [Mag]: 129.0° to 175.0°		Arc Distance: Out to 100.0 NM Altitude: 9000.0 to 20000.0 Ft.		
		ESV:	Bearing [True]: 117.0° to 140.0° Bearing [Mag]: 111.0° to 134.0°		Arc Distance: Out to 65.0 NM Altitude: 5000.0 to 16000.0 Ft.		
4	GNL	N 31° 34' 53.32" W 96° 32' 56.72" 05 E	L	514.1	108.80	GNL	Used
		Restriction:	Bearing [True]: 155.0° to 210.0° Bearing [Mag]: 150.0° to 205.0°		Distance: Beyond 30.0 NM Altitude: Below 2500.0 Ft.		
		Restriction:	Bearing [True]: 235.0° to 315.0° Bearing [Mag]: 230.0° to 310.0°		Distance: Beyond 30.0 NM Altitude: Below 2400.0 Ft.		
		Restriction:	Bearing [True]: 350.0° to 40.0° Bearing [Mag]: 345.0° to 35.0°		Distance: Beyond 35.0 NM Altitude: Below 2500.0 Ft.		
		ESV:	Bearing [True]: 350.0° to 39.0° Bearing [Mag]: 345.0° to 34.0°		Arc Distance: Out to 62.0 NM Altitude: 4000.0 to 20000.0 Ft.		
5	FZT	N 32° 4' 28.58" W 95° 31' 50.85" 06 E	L	304.7	111.40	FZT	Used
		ESV:	Bearing [True]: 267.0° to 301.0° Bearing [Mag]: 261.0° to 295.0°		Arc Distance: Out to 63.0 NM Altitude: 4000.0 to 20000.0 Ft.		

User Data (Continued)					Return To Summary		
User DMEs (Continued)							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
6	LFK	N 31° 9' 44.79" W 94° 43' 0.60" 05 E	H	207.3	112.10	LFK	Used
Restriction:		Bearing [True]: 265.0° to 280.0° Bearing [Mag]: 260.0° to 275.0°			Distance: Beyond 30.0 NM Altitude: Below 99999.0 Ft.		
Restriction:		Bearing [True]: 280.0° to 265.0° Bearing [Mag]: 275.0° to 260.0°			Distance: Beyond 30.0 NM Altitude: Below 2500.0 Ft.		
ESV:		Bearing [True]: 280.0° to 297.0° Bearing [Mag]: 275.0° to 292.0°			Arc Distance: Out to 62.0 NM Altitude: 9900.0 to 16000.0 Ft.		
ESV:		Bearing [True]: 310.0° to 73.0° Bearing [Mag]: 305.0° to 68.0°			Arc Distance: Out to 93.0 NM Altitude: 8500.0 to 16000.0 Ft.		
7	TNV	N 30° 17' 18.70" W 96° 3' 29.66" 08 E	H	247.4	115.90	TNV	Not Used
ESV:		Bearing [True]: 8.0° to 21.0° Bearing [Mag]: 360.0° to 13.0°			Arc Distance: Out to 77.0 NM Altitude: 9900.0 to 16000.0 Ft.		
8	EIC	N 32° 46' 16.91" W 93° 48' 35.75" 07 E	H	190.0	117.40	EIC	Used
ESV:		Bearing [True]: 162.0° to 227.0° Bearing [Mag]: 155.0° to 220.0°			Arc Distance: Out to 78.0 NM Altitude: 9900.0 to 16000.0 Ft.		
ESV:		Bearing [True]: 223.0° to 250.0° Bearing [Mag]: 216.0° to 243.0°			Arc Distance: Out to 74.0 NM Altitude: 10000.0 to 16000.0 Ft.		
9	AEX	N 31° 15' 24.22" W 92° 30' 3.51" 03 E	H	80.0	116.10	AEX	Used
Restriction:		Bearing [True]: 248.0° to 288.0° Bearing [Mag]: 245.0° to 285.0°			Distance: Beyond 35.0 NM Altitude: Below 1900.0 Ft.		
Restriction:		Bearing [True]: 288.0° to 248.0° Bearing [Mag]: 285.0° to 245.0°			Distance: Beyond 35.0 NM Altitude: Below 1700.0 Ft.		
ESV:		Bearing [True]: 286.0° to 298.0° Bearing [Mag]: 283.0° to 295.0°			Arc Distance: Out to 100.0 NM Altitude: 9900.0 to 20000.0 Ft.		
10	TXK	N 33° 30' 49.97" W 94° 4' 23.67" 07 E	H	270.0	116.30	TXK	Not Used
ESV:		Bearing [True]: 134.0° to 171.0° Bearing [Mag]: 127.0° to 164.0°			Arc Distance: Out to 90.0 NM Altitude: 9900.0 to 16000.0 Ft.		

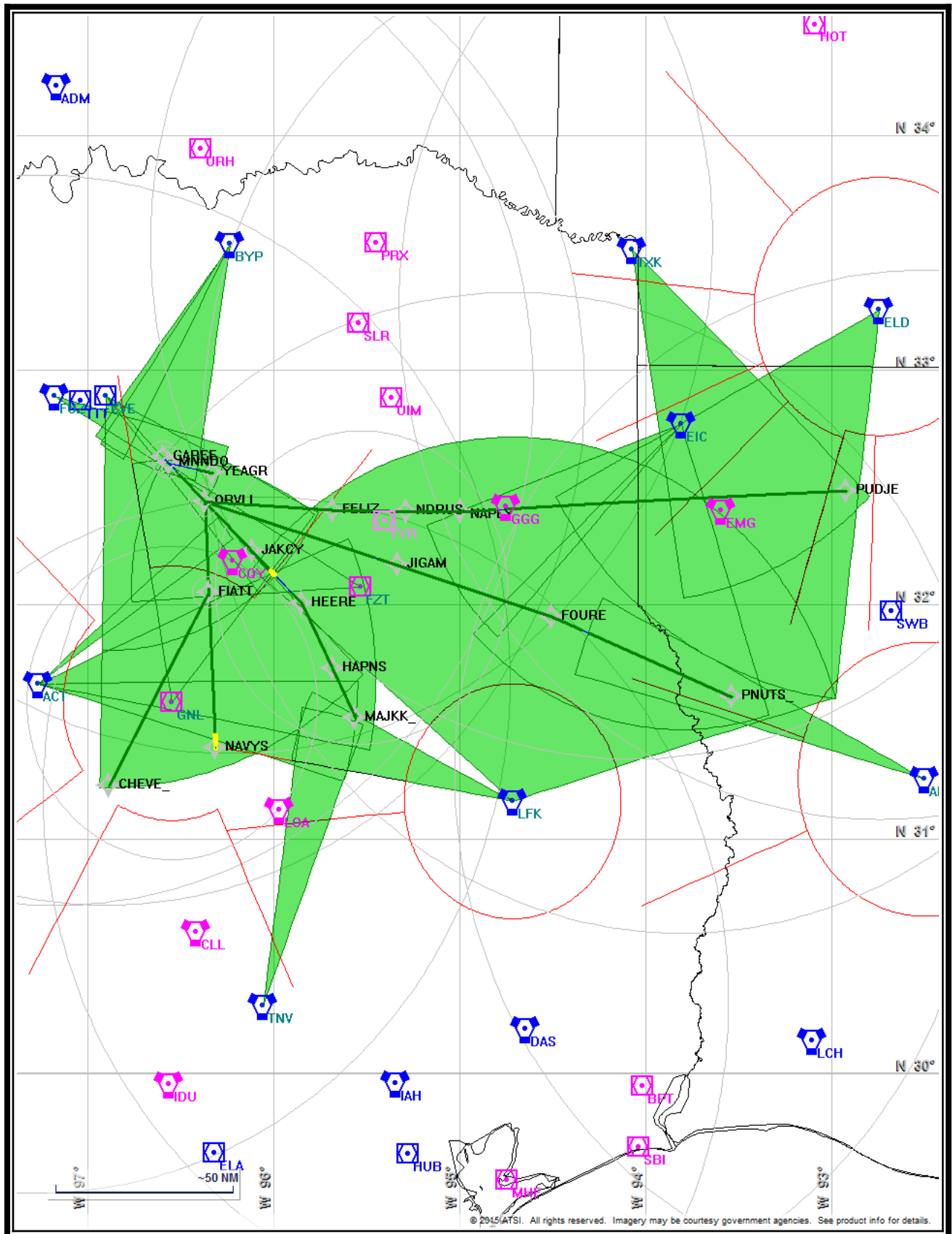
User Data (Continued)					Return To Summary		
User DMEs (Continued)							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
11	ELD	N 33° 15' 22.15" W 92° 44' 38.21" 07 E	H	230.0	115.50	ELD	Not Used
Restriction:		Bearing [True]: 122.0° to 142.0° Bearing [Mag]: 115.0° to 135.0°			Distance: Beyond 34.0 NM Altitude: Below 2400.0 Ft.		
Restriction:		Bearing [True]: 142.0° to 182.0° Bearing [Mag]: 135.0° to 175.0°			Distance: Beyond 32.0 NM Altitude: Below 2600.0 Ft.		
Restriction:		Bearing [True]: 182.0° to 197.0° Bearing [Mag]: 175.0° to 190.0°			Distance: Beyond 32.0 NM Altitude: Below 2500.0 Ft.		
Restriction:		Bearing [True]: 197.0° to 227.0° Bearing [Mag]: 190.0° to 220.0°			Distance: Beyond 34.0 NM Altitude: Below 1900.0 Ft.		
Restriction:		Bearing [True]: 227.0° to 247.0° Bearing [Mag]: 220.0° to 240.0°			Distance: Beyond 34.0 NM Altitude: Below 2000.0 Ft.		
Restriction:		Bearing [True]: 247.0° to 277.0° Bearing [Mag]: 240.0° to 270.0°			Distance: Beyond 34.0 NM Altitude: Below 1900.0 Ft.		
Restriction:		Bearing [True]: 277.0° to 317.0° Bearing [Mag]: 270.0° to 310.0°			Distance: Beyond 34.0 NM Altitude: Below 2000.0 Ft.		
Restriction:		Bearing [True]: 317.0° to 122.0° Bearing [Mag]: 310.0° to 115.0°			Distance: Beyond 34.0 NM Altitude: Below 1800.0 Ft.		
ESV:		Bearing [True]: 187.0° to 242.0° Bearing [Mag]: 180.0° to 235.0°			Arc Distance: Out to 100.0 NM Altitude: 9900.0 to 20000.0 Ft.		
12	FUZ	N 32° 53' 22.02" W 97° 10' 45.93" 06 E	H	637.4	115.70	FUZ	Not Used
ESV:		Bearing [True]: 105.0° to 121.0° Bearing [Mag]: 99.0° to 115.0°			Arc Distance: Out to 49.0 NM Altitude: 3900.0 to 16000.0 Ft.		



Name: William Roth
Project Name: KDAL MNND04 STAR
Output File: KDAL MNND04 STAR
PUDJE GAREE
20150821_0930
Procedure Name: MNND04
Software: RNAV-Pro™
Version: 2.38
Date/Time: 8/21/2015 9:36:40 AM
Input File: [KDAL MNND04 STAR
PUDJE GAREE
20150818_1456.txt](#)
Databases: AIRNAV Date: 8/4/2015
CIFP Date: 2/5/2015
DTED® (MAX) Date: 2002

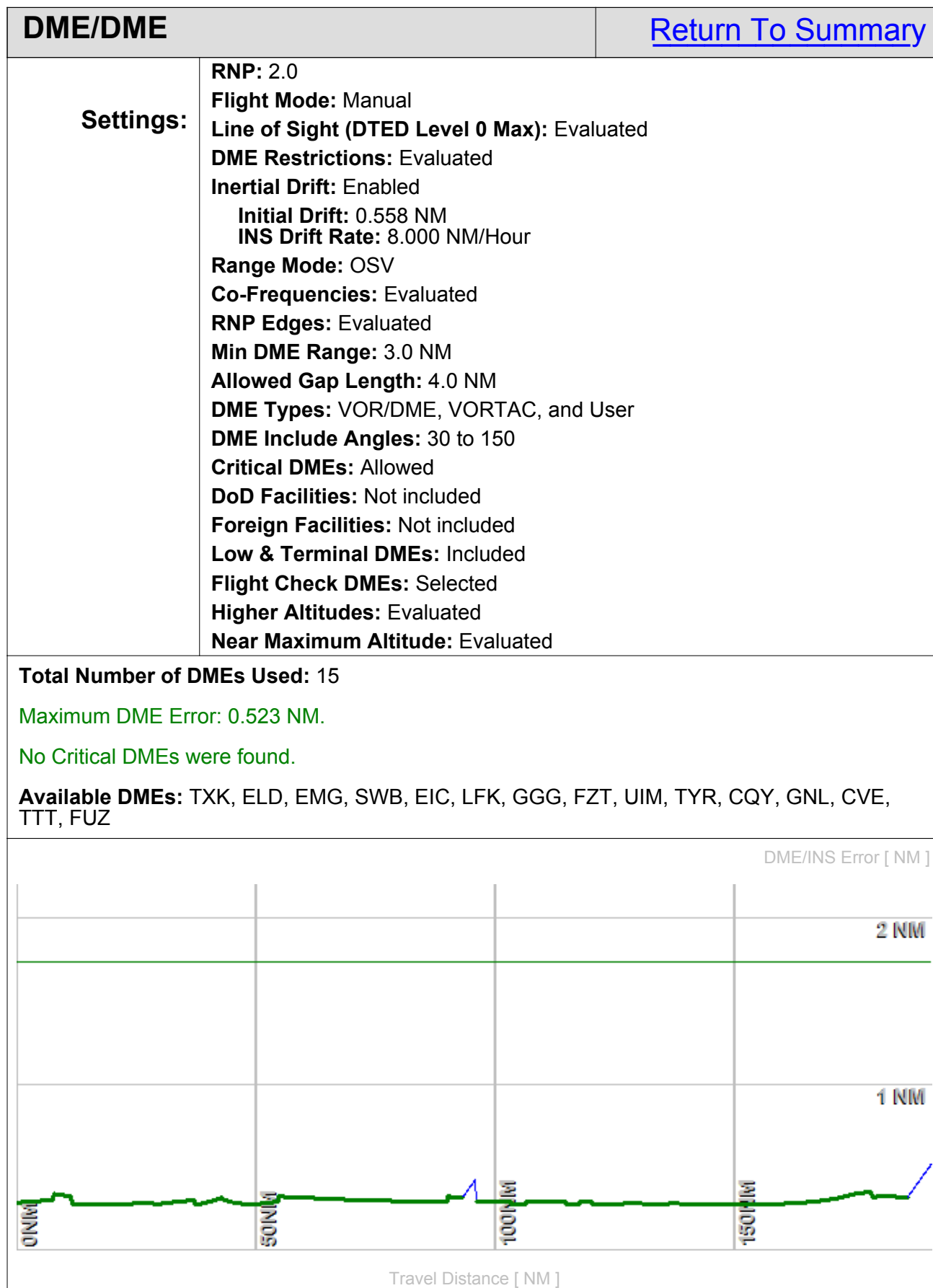
Results Summary:

Flyability	✓	
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
PUDJE	WP	N 32° 29' 8.96" W 92° 55' 28.57"	10000.0	Step	180.0	Fly By	TF
NAPLY	WP	N 32° 23' 45.27" W 94° 59' 51.04"	10000.0	Step	180.0	Fly By	TF
NDRUS	WP	N 32° 23' 54.89" W 95° 17' 20.23"	10000.0	Step	280.0	Fly By	TF
FELIZ	WP	N 32° 24' 13.17" W 95° 40' 57.57"	10000.0	Step	180.0	Fly By	TF
ORVLL	WP	N 32° 26' 20.57" W 96° 22' 13.31"	5000.0	Step	250.0	Fly By	TF
MNND0	WP	N 32° 36' 13.46" W 96° 33' 58.85"	4000.0	Step	180.0	Fly By	TF
GAREE	WP	N 32° 37' 39.59" W 96° 35' 38.01"	4000.0	Step	180.0	Fly Over	TF

Flyability		Return To Summary
Settings:	<div>Flight Type: Arrival</div> <div>Selected Airport: KTRL</div> <div>Aircraft Category: Cat D</div> <div>Climb Gradient: <i>None assigned</i></div> <div>Ground Speeds:</div> <div>Table:</div> <div><div>200.0 Kts up to 29000.0 ft</div><div>280.0 Kts up to 99900.0 ft</div></div> <div>Wind Settings: <i>None assigned</i></div> <div>Descent During a Turn: Allowed</div> <div>VNAV Mode: Flight Plan</div>	
	Entire track is fly-able	



DME/DME (Continued)						Return To Summary			
DMEs Used									
#	Name	Lat/Lon/MAGVAR	Range	Source	Critical	Err. [NM]	Status	Time	Distance
1	EMG	N 32° 24' 1.46" W 93° 35' 42.53" 07 E	L	Database	NO	0.614	Enabled	28.5%	28.5%
2	SWB	N 31° 58' 23.50" W 92° 40' 37.52" 02 E	H	Database	NO	0.523	Enabled	4.0%	4.0%
3	TXK	N 33° 30' 49.97" W 94° 4' 23.67" 07 E	H + ESV	User	NO	0.523	Enabled	4.1%	4.1%
4	EIC	N 32° 46' 16.91" W 93° 48' 35.75" 07 E	H + ESV	User	NO	0.527	Enabled	19.1%	19.1%
5	ELD	N 33° 15' 22.15" W 92° 44' 38.21" 07 E	H + ESV	User	NO	0.679	Enabled	12.8%	12.8%
6	LFK	N 31° 9' 44.79" W 94° 43' 0.60" 05 E	H + ESV	User	NO	1.104	Enabled	29.7%	29.7%
7	GGG	N 32° 25' 3.91" W 94° 45' 11.50" 07 E	L	Database	NO	0.593	Enabled	18.9%	18.9%
8	FZT	N 32° 4' 28.58" W 95° 31' 50.85" 06 E	L + ESV	User	NO	0.625	Enabled	14.6%	14.6%
9	UIM	N 32° 52' 49.73" W 95° 22' 0.81" 08 E	L	Database	NO	0.523	Enabled	10.2%	10.2%
10	TYR	N 32° 21' 21.12" W 95° 24' 12.48" 06 E	T	Database	NO	0.523	Enabled	9.5%	9.5%
11	CQY	N 32° 11' 8.60" W 96° 13' 5.17" 06 E	L	Database	NO	0.593	Enabled	12.1%	12.1%
12	CVE	N 32° 53' 25.12" W 96° 54' 14.27" 06 E	H + ESV	User	NO	0.874	Enabled	10.7%	10.7%
13	GNL	N 31° 34' 53.32" W 96° 32' 56.72" 05 E	L + ESV	User	NO	1.281	Enabled	13.5%	13.5%
14	TTT	N 32° 52' 8.98" W 97° 2' 25.81" 06 E	H	Database	NO	0.523	Enabled	2.7%	2.7%
15	FUZ	N 32° 53' 22.02" W 97° 10' 45.93" 06 E	H + ESV	User	NO	0.539	Enabled	1.3%	1.3%
	Total Coverage							95.8%	95.8%
Flight Check DME Selection									
Distance [NM]		Selected DMEs						Alternate	
0.0		EMG	SWB	ELD	TXK	EIC			
45.7		EMG	LFK	ELD	GGG	EIC	TXK		

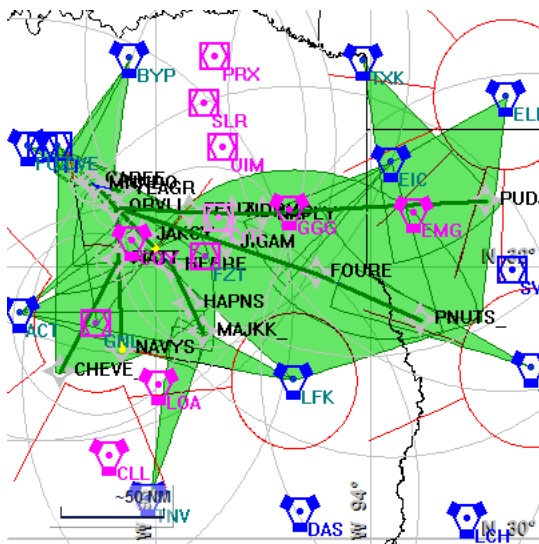
DME/DME (Continued)					Return To Summary	
Flight Check DME Selection (Continued)						
Distance [NM]	Selected DMEs					Alternate
95.0	UIM	LFK	FZT	GGG	TYR	
105.2	UIM	LFK	FZT	GGG	TYR	
120.2	UIM	CQY	FZT	GGG	TYR	LFK
140.1	UIM	CQY	FZT	LFK	TYR	
154.3	GNL	CQY	FZT	CVE		
174.5	GNL	CQY	TTT	CVE	FUZ	
189.1	CQY	TTT	CVE	FUZ		
Inertial Drift Segments						
#	Start Location		End Location		Length [NM]	
1	N 32° 24' 29.56" W 94° 45' 18.49"		N 32° 24' 19.74" W 94° 48' 35.02"		2.8	
VOR: TYR			Available from N 32° 24' 29.56" W 94° 45' 18.49" to N 32° 24' 19.74" W 94° 48' 35.02"			
VOR: GGG			Available from N 32° 24' 29.56" W 94° 45' 18.49" to N 32° 24' 19.74" W 94° 48' 35.02"			
2	N 32° 34' 2.80" W 96° 31' 23.10"		N 32° 37' 38.19" W 96° 35' 36.41"		5.1	
VOR: TTT			Available from N 32° 34' 2.80" W 96° 31' 23.10" to N 32° 37' 38.19" W 96° 35' 36.41"			
VOR: CQY			Available from N 32° 34' 2.80" W 96° 31' 23.10" to N 32° 37' 38.19" W 96° 35' 36.41"			
VOR: CVE			Available from N 32° 34' 2.80" W 96° 31' 23.10" to N 32° 37' 38.19" W 96° 35' 36.41"			
VOR: FUZ			Available from N 32° 34' 2.80" W 96° 31' 23.10" to N 32° 37' 38.19" W 96° 35' 36.41"			

Available DMEs by Waypoints		Return To Summary
Waypoint Before	Waypoint After	DME List
PUDJE	NAPLY	ELD, TXK, EIC, LFK, FZT, EMG, GGG, SWB, TYR, and UIM
NAPLY	NDRUS	LFK, FZT, GGG, TYR, and UIM
NDRUS	FELIZ	FZT, CQY, GGG, TYR, UIM, and LFK*
FELIZ	ORVLL	LFK, FZT, GNL, CVE, CQY, TYR, and UIM
ORVLL	MNND0	FUZ, GNL, CVE, CQY, and TTT
MNND0	GAREE	FUZ, CVE, CQY, and TTT

User Data					Return To Summary		
User Data Files							
#	File Name						
1	UserDMEs_KDAL MNND04 CHEVE_ FIATT 20150818_1534.udt						
User DMEs							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	ACT	N 31° 39' 44.39" W 97° 16' 8.53" 09 E	H	510.0	115.30	ACT	Not Used
		ESV:	Bearing [True]: 49.0° to 55.0° Bearing [Mag]: 40.0° to 46.0°		Arc Distance: Out to 65.0 NM Altitude: 4100.0 to 16000.0 Ft.		
		ESV:	Bearing [True]: 89.0° to 106.0° Bearing [Mag]: 80.0° to 97.0°		Arc Distance: Out to 88.0 NM Altitude: 9900.0 to 16000.0 Ft.		
		ESV:	Bearing [True]: 66.0° to 100.0° Bearing [Mag]: 57.0° to 91.0°		Arc Distance: Out to 93.0 NM Altitude: 7600.0 to 16000.0 Ft.		
2	BYP	N 33° 32' 14.95" W 96° 14' 2.74" 06 E	H	700.0	114.60	BYP	Not Used
		ESV:	Bearing [True]: 208.0° to 215.0° Bearing [Mag]: 202.0° to 209.0°		Arc Distance: Out to 62.0 NM Altitude: 4000.0 to 16000.0 Ft.		
		ESV:	Bearing [True]: 189.0° to 217.0° Bearing [Mag]: 183.0° to 211.0°		Arc Distance: Out to 61.0 NM Altitude: 3800.0 to 16000.0 Ft.		
3	CVE	N 32° 53' 25.12" W 96° 54' 14.27" 06 E	H	450.0	116.20	CVE	Used
		ESV:	Bearing [True]: 135.0° to 181.0° Bearing [Mag]: 129.0° to 175.0°		Arc Distance: Out to 65.0 NM Altitude: 4000.0 to 20000.0 Ft.		
		ESV:	Bearing [True]: 135.0° to 181.0° Bearing [Mag]: 129.0° to 175.0°		Arc Distance: Out to 100.0 NM Altitude: 9000.0 to 20000.0 Ft.		
		ESV:	Bearing [True]: 117.0° to 140.0° Bearing [Mag]: 111.0° to 134.0°		Arc Distance: Out to 65.0 NM Altitude: 5000.0 to 16000.0 Ft.		
4	GNL	N 31° 34' 53.32" W 96° 32' 56.72" 05 E	L	514.1	108.80	GNL	Used
		Restriction:	Bearing [True]: 155.0° to 210.0° Bearing [Mag]: 150.0° to 205.0°		Distance: Beyond 30.0 NM Altitude: Below 2500.0 Ft.		
		Restriction:	Bearing [True]: 235.0° to 315.0° Bearing [Mag]: 230.0° to 310.0°		Distance: Beyond 30.0 NM Altitude: Below 2400.0 Ft.		
		Restriction:	Bearing [True]: 350.0° to 40.0° Bearing [Mag]: 345.0° to 35.0°		Distance: Beyond 35.0 NM Altitude: Below 2500.0 Ft.		
		ESV:	Bearing [True]: 350.0° to 39.0° Bearing [Mag]: 345.0° to 34.0°		Arc Distance: Out to 62.0 NM Altitude: 4000.0 to 20000.0 Ft.		
5	FZT	N 32° 4' 28.58" W 95° 31' 50.85" 06 E	L	304.7	111.40	FZT	Used
		ESV:	Bearing [True]: 267.0° to 301.0° Bearing [Mag]: 261.0° to 295.0°		Arc Distance: Out to 63.0 NM Altitude: 4000.0 to 20000.0 Ft.		

User Data (Continued)					Return To Summary		
User DMEs (Continued)							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
6	LFK	N 31° 9' 44.79" W 94° 43' 0.60" 05 E	H	207.3	112.10	LFK	Used
Restriction:		Bearing [True]: 265.0° to 280.0° Bearing [Mag]: 260.0° to 275.0°			Distance: Beyond 30.0 NM Altitude: Below 99999.0 Ft.		
Restriction:		Bearing [True]: 280.0° to 265.0° Bearing [Mag]: 275.0° to 260.0°			Distance: Beyond 30.0 NM Altitude: Below 2500.0 Ft.		
ESV:		Bearing [True]: 280.0° to 297.0° Bearing [Mag]: 275.0° to 292.0°			Arc Distance: Out to 62.0 NM Altitude: 9900.0 to 16000.0 Ft.		
ESV:		Bearing [True]: 310.0° to 73.0° Bearing [Mag]: 305.0° to 68.0°			Arc Distance: Out to 93.0 NM Altitude: 8500.0 to 16000.0 Ft.		
7	TNV	N 30° 17' 18.70" W 96° 3' 29.66" 08 E	H	247.4	115.90	TNV	Not Used
ESV:		Bearing [True]: 8.0° to 21.0° Bearing [Mag]: 360.0° to 13.0°			Arc Distance: Out to 77.0 NM Altitude: 9900.0 to 16000.0 Ft.		
8	EIC	N 32° 46' 16.91" W 93° 48' 35.75" 07 E	H	190.0	117.40	EIC	Used
ESV:		Bearing [True]: 162.0° to 227.0° Bearing [Mag]: 155.0° to 220.0°			Arc Distance: Out to 78.0 NM Altitude: 9900.0 to 16000.0 Ft.		
ESV:		Bearing [True]: 223.0° to 250.0° Bearing [Mag]: 216.0° to 243.0°			Arc Distance: Out to 74.0 NM Altitude: 10000.0 to 16000.0 Ft.		
9	AEX	N 31° 15' 24.22" W 92° 30' 3.51" 03 E	H	80.0	116.10	AEX	Not Used
Restriction:		Bearing [True]: 248.0° to 288.0° Bearing [Mag]: 245.0° to 285.0°			Distance: Beyond 35.0 NM Altitude: Below 1900.0 Ft.		
Restriction:		Bearing [True]: 288.0° to 248.0° Bearing [Mag]: 285.0° to 245.0°			Distance: Beyond 35.0 NM Altitude: Below 1700.0 Ft.		
ESV:		Bearing [True]: 286.0° to 298.0° Bearing [Mag]: 283.0° to 295.0°			Arc Distance: Out to 100.0 NM Altitude: 9900.0 to 20000.0 Ft.		
10	TXK	N 33° 30' 49.97" W 94° 4' 23.67" 07 E	H	270.0	116.30	TXK	Used
ESV:		Bearing [True]: 134.0° to 171.0° Bearing [Mag]: 127.0° to 164.0°			Arc Distance: Out to 90.0 NM Altitude: 9900.0 to 16000.0 Ft.		

User Data (Continued)					Return To Summary		
User DMEs (Continued)							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
11	ELD	N 33° 15' 22.15" W 92° 44' 38.21" 07 E	H	230.0	115.50	ELD	Used
Restriction:		Bearing [True]: 122.0° to 142.0° Bearing [Mag]: 115.0° to 135.0°			Distance: Beyond 34.0 NM Altitude: Below 2400.0 Ft.		
Restriction:		Bearing [True]: 142.0° to 182.0° Bearing [Mag]: 135.0° to 175.0°			Distance: Beyond 32.0 NM Altitude: Below 2600.0 Ft.		
Restriction:		Bearing [True]: 182.0° to 197.0° Bearing [Mag]: 175.0° to 190.0°			Distance: Beyond 32.0 NM Altitude: Below 2500.0 Ft.		
Restriction:		Bearing [True]: 197.0° to 227.0° Bearing [Mag]: 190.0° to 220.0°			Distance: Beyond 34.0 NM Altitude: Below 1900.0 Ft.		
Restriction:		Bearing [True]: 227.0° to 247.0° Bearing [Mag]: 220.0° to 240.0°			Distance: Beyond 34.0 NM Altitude: Below 2000.0 Ft.		
Restriction:		Bearing [True]: 247.0° to 277.0° Bearing [Mag]: 240.0° to 270.0°			Distance: Beyond 34.0 NM Altitude: Below 1900.0 Ft.		
Restriction:		Bearing [True]: 277.0° to 317.0° Bearing [Mag]: 270.0° to 310.0°			Distance: Beyond 34.0 NM Altitude: Below 2000.0 Ft.		
Restriction:		Bearing [True]: 317.0° to 122.0° Bearing [Mag]: 310.0° to 115.0°			Distance: Beyond 34.0 NM Altitude: Below 1800.0 Ft.		
ESV:		Bearing [True]: 187.0° to 242.0° Bearing [Mag]: 180.0° to 235.0°			Arc Distance: Out to 100.0 NM Altitude: 9900.0 to 20000.0 Ft.		
12	FUZ	N 32° 53' 22.02" W 97° 10' 45.93" 06 E	H	637.4	115.70	FUZ	Used
ESV:		Bearing [True]: 105.0° to 121.0° Bearing [Mag]: 99.0° to 115.0°			Arc Distance: Out to 49.0 NM Altitude: 3900.0 to 16000.0 Ft.		



Name: William Roth
Project Name: KDAL MNND04 STAR
Output File: KDAL MNND04 STAR
 YEAGR MNND0
 20150821_0930
Procedure Name: MNND04
Software: RNAV-Pro™
Version: 2.38
Date/Time: 8/21/2015 9:39:15 AM
Input File: [KDAL MNND04 STAR
 YEAGR MNND0
 20150818_1501.txt](#)
Databases: AIRNAV Date: 8/4/2015
 CIFP Date: 2/5/2015
 DTED® (MAX) Date: 2002

Results Summary:

Flyability



DME/DME



No Critical DMEs Exist

Radars

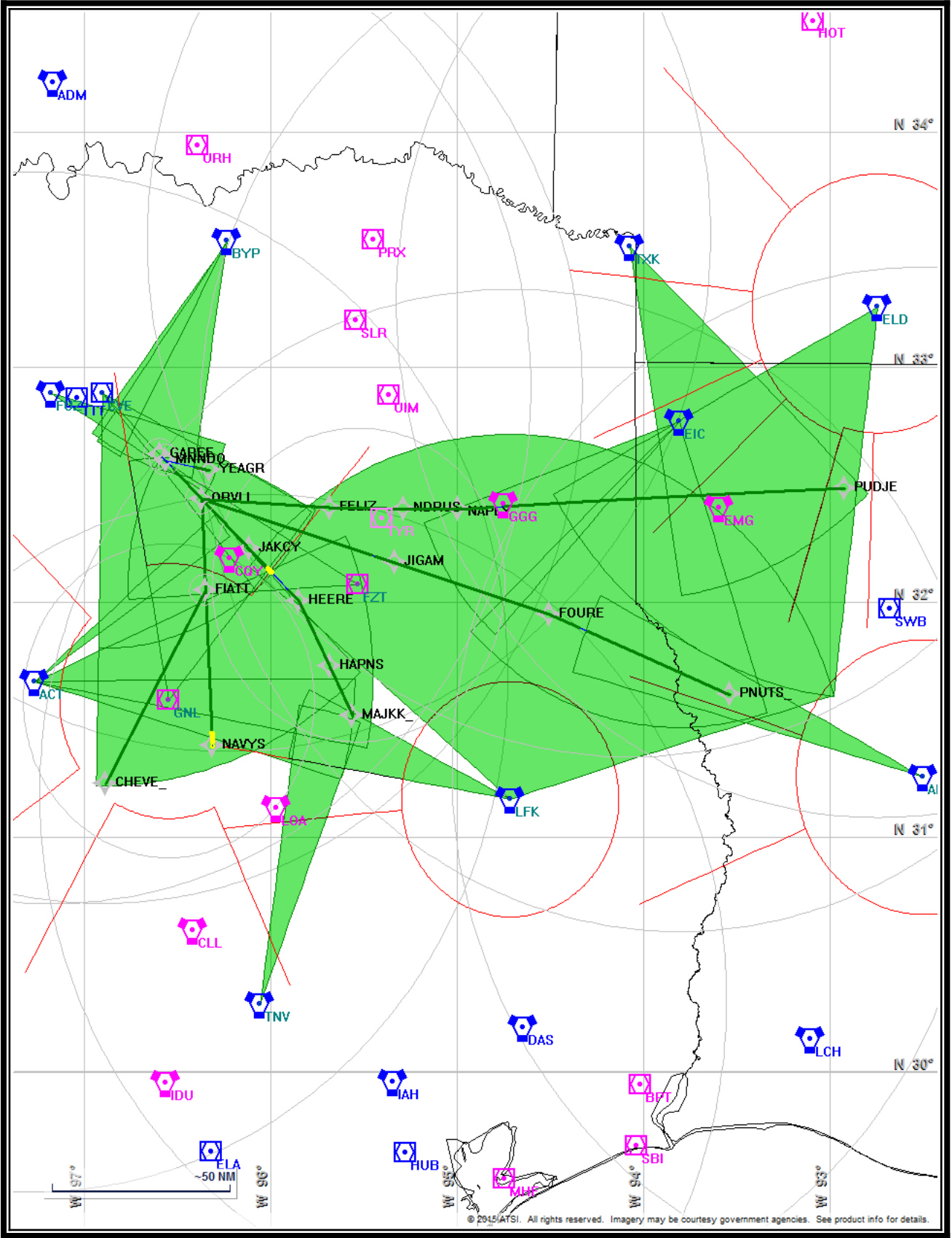


Comms



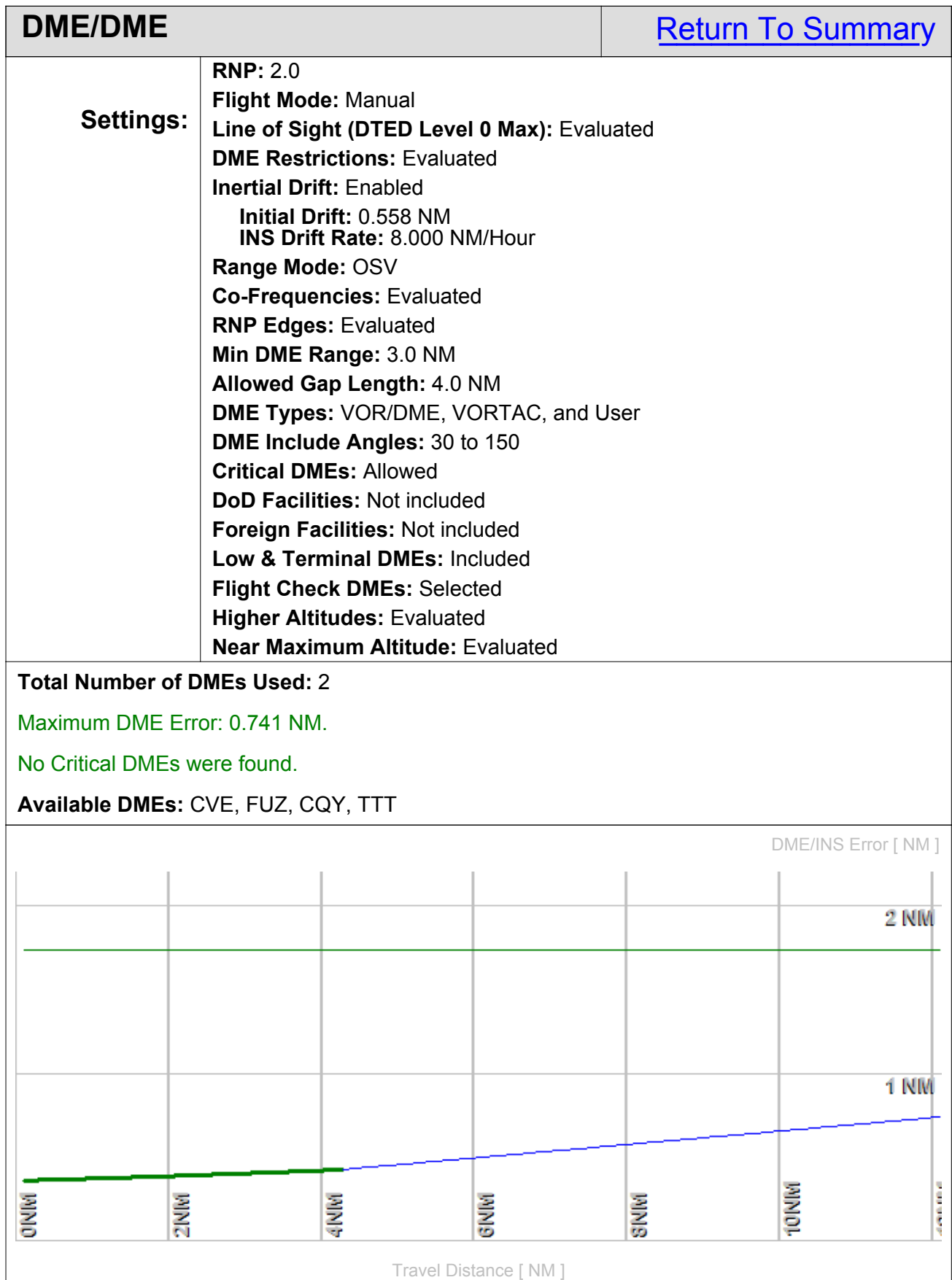
TERPS





Flight Plan					Return To Summary		
Name	Type	Lat/Lon	Alt [ft]	VNAV Mode	IAS [Kts]	Turn Type	Leg Type
YEAGR	WP	N 32° 33' 43.76" W 96° 19' 54.28"	4000.0	Step	250.0	Fly By	TF
MNND0	WP	N 32° 36' 13.46" W 96° 33' 58.85"	4000.0	Step	180.0	Fly Over	TF

Flyability		Return To Summary
Settings:	<div>Flight Type: Arrival</div> <div>Selected Airport: KTRL</div> <div>Aircraft Category: Cat D</div> <div>Climb Gradient: <i>None assigned</i></div> <div>Ground Speeds:</div> <div>Table:</div> <div><div>200.0 Kts up to 29000.0 ft</div><div>280.0 Kts up to 99900.0 ft</div></div> <div>Wind Settings: <i>None assigned</i></div> <div>Descent During a Turn: Allowed</div> <div>VNAV Mode: Flight Plan</div>	
	Entire track is fly-able	



DME/DME (Continued)						Return To Summary			
DMEs Used									
#	Name	Lat/Lon/MAGVAR	Range	Source	Critical	Err. [NM]	Status	Time	Distance
1	FUZ	N 32° 53' 22.02" W 97° 10' 45.93" 06 E	H + ESV	User	NO	0.797	Enabled	34.9%	34.9%
2	CQY	N 32° 11' 8.60" W 96° 13' 5.17" 06 E	L	Database	NO	1.042	Enabled	34.9%	34.9%
	Total Coverage							34.9%	34.9%
Flight Check DME Selection									
Distance [NM]		Selected DMEs						Alternate	
0.0		CQY	TTT	FUZ	CVE				
Inertial Drift Segments									
#	Start Location			End Location			Length [NM]		
1	N 32° 34' 36.70" W 96° 24' 51.63"			N 32° 36' 12.99" W 96° 33' 56.17"			7.8		
VOR: TTT				Available from N 32° 34' 36.70" W 96° 24' 51.63" to N 32° 36' 12.99" W 96° 33' 56.17"					
VOR: CQY				Available from N 32° 34' 36.70" W 96° 24' 51.63" to N 32° 36' 12.99" W 96° 33' 56.17"					
VOR: CVE				Available from N 32° 34' 36.70" W 96° 24' 51.63" to N 32° 36' 12.99" W 96° 33' 56.17"					
VOR: FUZ				Available from N 32° 35' 15.03" W 96° 28' 27.86" to N 32° 36' 12.99" W 96° 33' 56.17"					

Available DMEs by Waypoints		Return To Summary
Waypoint Before	Waypoint After	DME List
YEAGR	MNND0	FUZ, CVE, CQY, and TTT

User Data					Return To Summary		
User Data Files							
#	File Name						
1	UserDMEs_KDAL MNND04 CHEVE_ FIATT 20150818_1534.udt						
User DMEs							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	ACT	N 31° 39' 44.39" W 97° 16' 8.53" 09 E	H	510.0	115.30	ACT	Not Used
		ESV:	Bearing [True]: 49.0° to 55.0° Bearing [Mag]: 40.0° to 46.0°		Arc Distance: Out to 65.0 NM Altitude: 4100.0 to 16000.0 Ft.		
		ESV:	Bearing [True]: 89.0° to 106.0° Bearing [Mag]: 80.0° to 97.0°		Arc Distance: Out to 88.0 NM Altitude: 9900.0 to 16000.0 Ft.		
		ESV:	Bearing [True]: 66.0° to 100.0° Bearing [Mag]: 57.0° to 91.0°		Arc Distance: Out to 93.0 NM Altitude: 7600.0 to 16000.0 Ft.		
2	BYP	N 33° 32' 14.95" W 96° 14' 2.74" 06 E	H	700.0	114.60	BYP	Not Used
		ESV:	Bearing [True]: 208.0° to 215.0° Bearing [Mag]: 202.0° to 209.0°		Arc Distance: Out to 62.0 NM Altitude: 4000.0 to 16000.0 Ft.		
		ESV:	Bearing [True]: 189.0° to 217.0° Bearing [Mag]: 183.0° to 211.0°		Arc Distance: Out to 61.0 NM Altitude: 3800.0 to 16000.0 Ft.		
3	CVE	N 32° 53' 25.12" W 96° 54' 14.27" 06 E	H	450.0	116.20	CVE	Not Used
		ESV:	Bearing [True]: 135.0° to 181.0° Bearing [Mag]: 129.0° to 175.0°		Arc Distance: Out to 65.0 NM Altitude: 4000.0 to 20000.0 Ft.		
		ESV:	Bearing [True]: 135.0° to 181.0° Bearing [Mag]: 129.0° to 175.0°		Arc Distance: Out to 100.0 NM Altitude: 9000.0 to 20000.0 Ft.		
		ESV:	Bearing [True]: 117.0° to 140.0° Bearing [Mag]: 111.0° to 134.0°		Arc Distance: Out to 65.0 NM Altitude: 5000.0 to 16000.0 Ft.		
4	GNL	N 31° 34' 53.32" W 96° 32' 56.72" 05 E	L	514.1	108.80	GNL	Not Used
		Restriction:	Bearing [True]: 155.0° to 210.0° Bearing [Mag]: 150.0° to 205.0°		Distance: Beyond 30.0 NM Altitude: Below 2500.0 Ft.		
		Restriction:	Bearing [True]: 235.0° to 315.0° Bearing [Mag]: 230.0° to 310.0°		Distance: Beyond 30.0 NM Altitude: Below 2400.0 Ft.		
		Restriction:	Bearing [True]: 350.0° to 40.0° Bearing [Mag]: 345.0° to 35.0°		Distance: Beyond 35.0 NM Altitude: Below 2500.0 Ft.		
		ESV:	Bearing [True]: 350.0° to 39.0° Bearing [Mag]: 345.0° to 34.0°		Arc Distance: Out to 62.0 NM Altitude: 4000.0 to 20000.0 Ft.		
5	FZT	N 32° 4' 28.58" W 95° 31' 50.85" 06 E	L	304.7	111.40	FZT	Not Used
		ESV:	Bearing [True]: 267.0° to 301.0° Bearing [Mag]: 261.0° to 295.0°		Arc Distance: Out to 63.0 NM Altitude: 4000.0 to 20000.0 Ft.		

User Data (Continued)					Return To Summary		
User DMEs (Continued)							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
6	LFK	N 31° 9' 44.79" W 94° 43' 0.60" 05 E	H	207.3	112.10	LFK	Not Used
Restriction:		Bearing [True]: 265.0° to 280.0° Bearing [Mag]: 260.0° to 275.0°			Distance: Beyond 30.0 NM Altitude: Below 99999.0 Ft.		
Restriction:		Bearing [True]: 280.0° to 265.0° Bearing [Mag]: 275.0° to 260.0°			Distance: Beyond 30.0 NM Altitude: Below 2500.0 Ft.		
ESV:		Bearing [True]: 280.0° to 297.0° Bearing [Mag]: 275.0° to 292.0°			Arc Distance: Out to 62.0 NM Altitude: 9900.0 to 16000.0 Ft.		
ESV:		Bearing [True]: 310.0° to 73.0° Bearing [Mag]: 305.0° to 68.0°			Arc Distance: Out to 93.0 NM Altitude: 8500.0 to 16000.0 Ft.		
7	TNV	N 30° 17' 18.70" W 96° 3' 29.66" 08 E	H	247.4	115.90	TNV	Not Used
ESV:		Bearing [True]: 8.0° to 21.0° Bearing [Mag]: 360.0° to 13.0°			Arc Distance: Out to 77.0 NM Altitude: 9900.0 to 16000.0 Ft.		
8	EIC	N 32° 46' 16.91" W 93° 48' 35.75" 07 E	H	190.0	117.40	EIC	Not Used
ESV:		Bearing [True]: 162.0° to 227.0° Bearing [Mag]: 155.0° to 220.0°			Arc Distance: Out to 78.0 NM Altitude: 9900.0 to 16000.0 Ft.		
ESV:		Bearing [True]: 223.0° to 250.0° Bearing [Mag]: 216.0° to 243.0°			Arc Distance: Out to 74.0 NM Altitude: 10000.0 to 16000.0 Ft.		
9	AEX	N 31° 15' 24.22" W 92° 30' 3.51" 03 E	H	80.0	116.10	AEX	Not Used
Restriction:		Bearing [True]: 248.0° to 288.0° Bearing [Mag]: 245.0° to 285.0°			Distance: Beyond 35.0 NM Altitude: Below 1900.0 Ft.		
Restriction:		Bearing [True]: 288.0° to 248.0° Bearing [Mag]: 285.0° to 245.0°			Distance: Beyond 35.0 NM Altitude: Below 1700.0 Ft.		
ESV:		Bearing [True]: 286.0° to 298.0° Bearing [Mag]: 283.0° to 295.0°			Arc Distance: Out to 100.0 NM Altitude: 9900.0 to 20000.0 Ft.		
10	TXK	N 33° 30' 49.97" W 94° 4' 23.67" 07 E	H	270.0	116.30	TXK	Not Used
ESV:		Bearing [True]: 134.0° to 171.0° Bearing [Mag]: 127.0° to 164.0°			Arc Distance: Out to 90.0 NM Altitude: 9900.0 to 16000.0 Ft.		

User Data (Continued)					Return To Summary		
User DMEs (Continued)							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
11	ELD	N 33° 15' 22.15" W 92° 44' 38.21" 07 E	H	230.0	115.50	ELD	Not Used
Restriction:		Bearing [True]: 122.0° to 142.0° Bearing [Mag]: 115.0° to 135.0°			Distance: Beyond 34.0 NM Altitude: Below 2400.0 Ft.		
Restriction:		Bearing [True]: 142.0° to 182.0° Bearing [Mag]: 135.0° to 175.0°			Distance: Beyond 32.0 NM Altitude: Below 2600.0 Ft.		
Restriction:		Bearing [True]: 182.0° to 197.0° Bearing [Mag]: 175.0° to 190.0°			Distance: Beyond 32.0 NM Altitude: Below 2500.0 Ft.		
Restriction:		Bearing [True]: 197.0° to 227.0° Bearing [Mag]: 190.0° to 220.0°			Distance: Beyond 34.0 NM Altitude: Below 1900.0 Ft.		
Restriction:		Bearing [True]: 227.0° to 247.0° Bearing [Mag]: 220.0° to 240.0°			Distance: Beyond 34.0 NM Altitude: Below 2000.0 Ft.		
Restriction:		Bearing [True]: 247.0° to 277.0° Bearing [Mag]: 240.0° to 270.0°			Distance: Beyond 34.0 NM Altitude: Below 1900.0 Ft.		
Restriction:		Bearing [True]: 277.0° to 317.0° Bearing [Mag]: 270.0° to 310.0°			Distance: Beyond 34.0 NM Altitude: Below 2000.0 Ft.		
Restriction:		Bearing [True]: 317.0° to 122.0° Bearing [Mag]: 310.0° to 115.0°			Distance: Beyond 34.0 NM Altitude: Below 1800.0 Ft.		
ESV:		Bearing [True]: 187.0° to 242.0° Bearing [Mag]: 180.0° to 235.0°			Arc Distance: Out to 100.0 NM Altitude: 9900.0 to 20000.0 Ft.		
12	FUZ	N 32° 53' 22.02" W 97° 10' 45.93" 06 E	H	637.4	115.70	FUZ	Used
ESV:		Bearing [True]: 105.0° to 121.0° Bearing [Mag]: 99.0° to 115.0°			Arc Distance: Out to 49.0 NM Altitude: 3900.0 to 16000.0 Ft.		