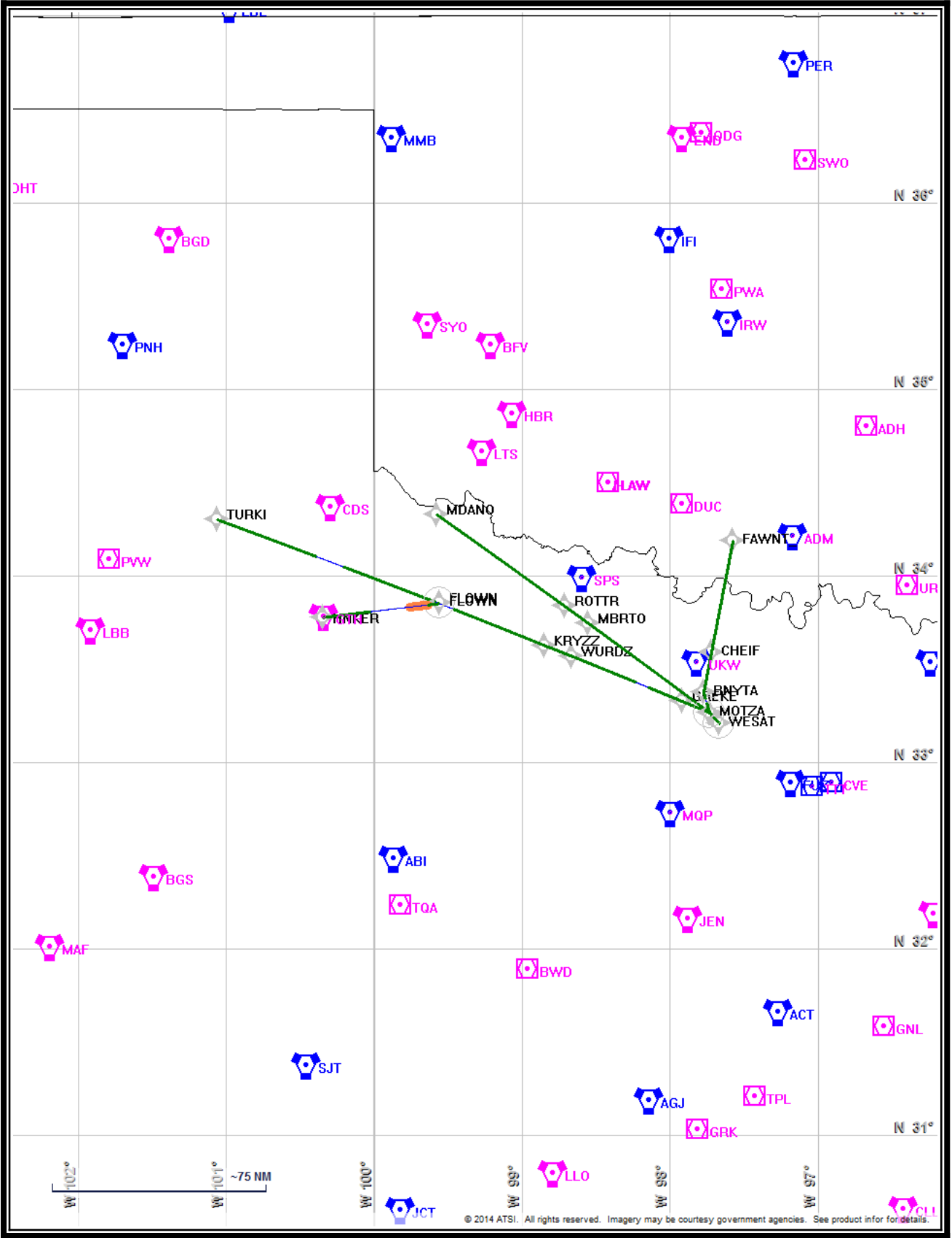


Name: ALAN MABRY
Project Name: KDAL WESAT RNAV STAR
Output File: KDAL WESAT STAR
 FAWNT_MOTZA
 20141119_1204
Procedure Name: WESAT
Software: RNAV-Pro™
Version: 2.37
Date/Time: 11/19/2014 12:06:31 PM
Input File: [KDAL WESAT STAR
 FAWNT_MOTZA
 20141119_1142.txt](#)
Databases: AVNIS Date: 11/18/2014
 CIFP Date: 8/21/2014
 DTED® (MAX) Date: 2002

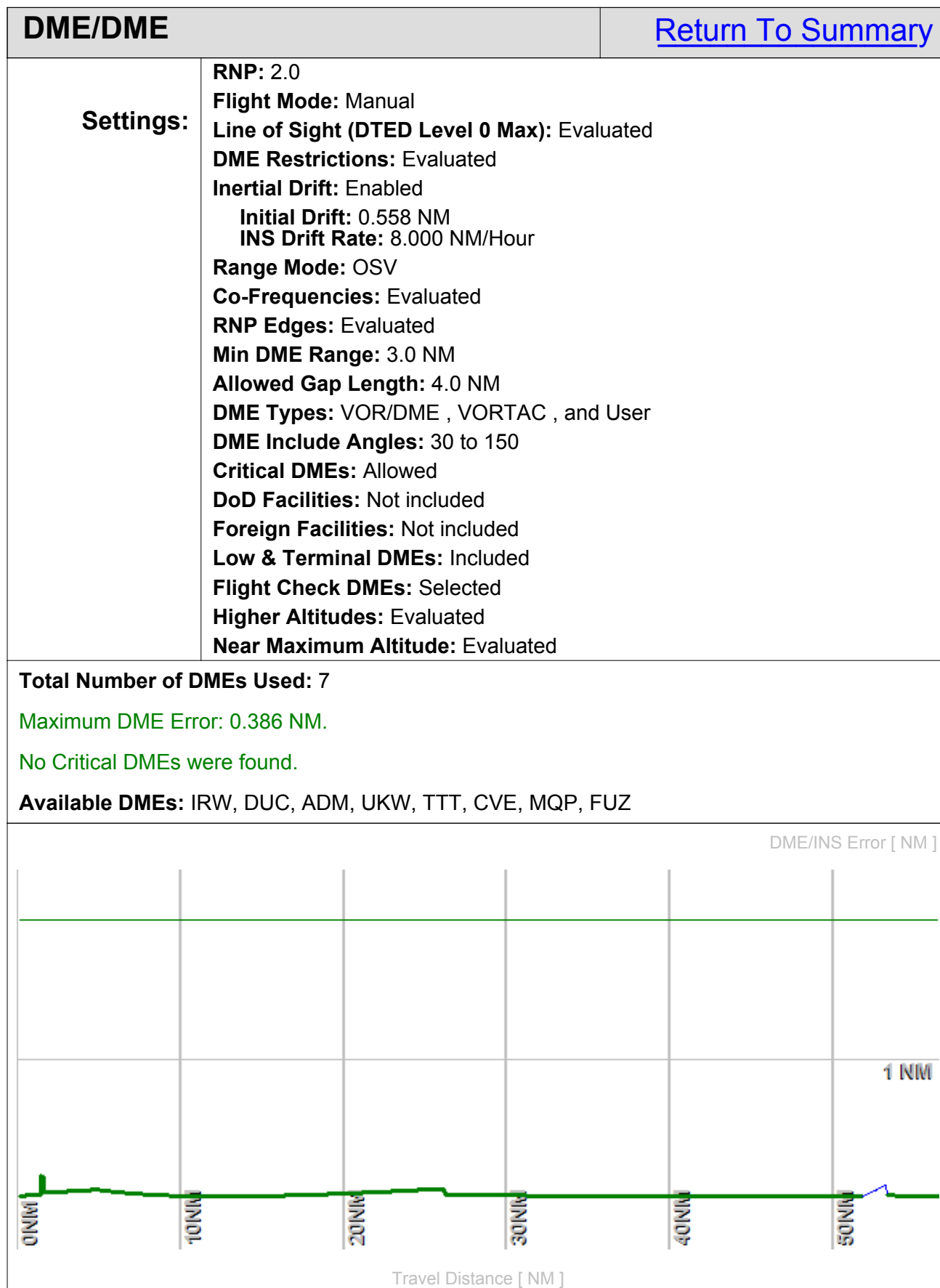
Results Summary:

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
FAWNT_	WP	N 34° 11' 16.53" W 97° 34' 27.69"	10000.0	Step	180.0	Fly By	TF
CHEIF	WP	N 33° 35' 9.75" W 97° 43' 15.70"	10000.0	Step	180.0	Fly By	TF
BNYTA	WP	N 33° 22' 25.34" W 97° 46' 22.43"	10000.0	Step	180.0	Fly By	TF
MOTZA	WP	N 33° 15' 58.12" W 97° 44' 0.12"	5000.0	Step	180.0	Fly Over	TF

Flyability		Return To Summary
Settings:	<div>Flight Type: Arrival</div> <div>Selected Airport: KDAL</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 11000.0 Ft.</div><div>240.0 Kts up to 18000.0 Ft.</div><div>260.0 Kts up to 24000.0 Ft.</div><div>340.0 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>	
	Aircraft ALTITUDE at Fly-Over WP MOTZA too high.	



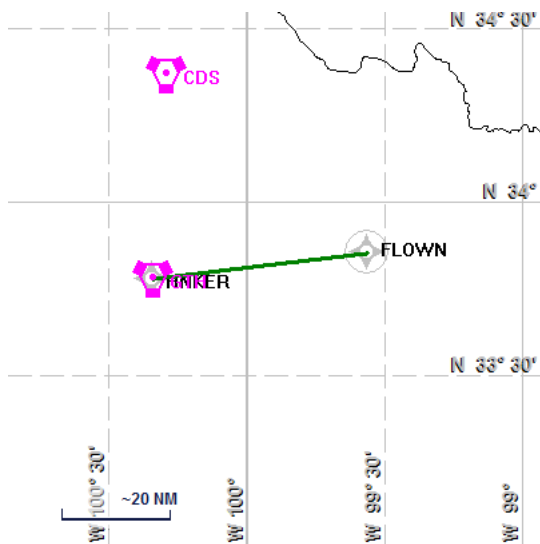
DME/DME (Continued.)						Return To Summary			
DMEs Used									
#	Name	Lat/Lon/MAGVAR	Range	Source	Critical	Err. [NM]	Status	Time	Distance
1	IRW	N 35° 21' 30.95" W 97° 36' 33.22" E 7	H + ESV	User	NO	0.444	Enabled	2.6 %	2.5 %
2	ADM	N 34° 12' 41.71" W 97° 10' 5.62" E 6	H + ESV	User	NO	0.913	Enabled	77.7 %	77.7 %
3	DUC	N 34° 23' 3.68" W 97° 55' 0.99" E 9	L + ESV	User	NO	1.053	Enabled	43.9 %	43.9 %
4	UKW	N 33° 32' 9.19" W 97° 49' 16.60" E 6	H + ESV	User	NO	0.386	Enabled	14.1 %	14.1 %
5	TTT	N 32° 52' 8.98" W 97° 2' 25.81" E 6	H + ESV	User	NO	0.386	Enabled	11.9 %	11.9 %
6	CVE	N 32° 53' 25.12" W 96° 54' 14.27" E 6	H + ESV	User	NO	0.386	Enabled	39.0 %	39.1 %
7	MQP	N 32° 43' 34.25" W 97° 59' 50.79" E 9	H + ESV	User	NO	0.466	Enabled	5.6 %	5.6 %
Flight Check DME Selection									
Distance [NM]		Selected DMEs						Alternate	
0.0		ADM	DUC	IRW	UKW				
10.1		ADM	DUC	TTT	UKW	CVE			
36.8		ADM	CVE	TTT	UKW				
49.2		ADM	CVE	TTT	UKW	MQP	FUZ		
Inertial Drift Segments									
#	Start Location			End Location			Length [NM]		
1	N 33° 20' 25.14" W 97° 45' 38.30"			N 33° 19' 2.17" W 97° 45' 7.78"			1.4		
VOR: FUZ				Available from N 33° 20' 25.14" W 97° 45' 38.30" to N 33° 19' 2.17" W 97° 45' 7.78"					
VOR: MQP				Available from N 33° 20' 25.14" W 97° 45' 38.30" to N 33° 19' 2.17" W 97° 45' 7.78"					
VOR: UKW				Available from N 33° 20' 25.14" W 97° 45' 38.30" to N 33° 19' 2.17" W 97° 45' 7.78"					

DME/DME (Continued.)					Return To Summary		
User DMEs							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [Ft]	Frequency	Replaces:	Status
1	IRW	N 35° 21' 30.95" W 97° 36' 33.22" E 7	H	1230.0	114.10	IRW	Used
		ESV:	Bearing [True]: 63.0° to 182.0° Bearing [Mag]: 56.0° to 175.0°		Arc Distance: Out to 90.0 NM Altitude: 8300.0 to 16000.0 Ft.		
2	CVE	N 32° 53' 25.12" W 96° 54' 14.27" E 6	H	450.0	116.20	CVE	Used
		ESV:	Bearing [True]: 238.0° to 335.0° Bearing [Mag]: 232.0° to 329.0°		Arc Distance: Out to 53.0 NM Altitude: 3000.0 to 16000.0 Ft.		
		ESV:	Bearing [True]: 238.0° to 335.0° Bearing [Mag]: 232.0° to 329.0°		Arc Distance: Out to 65.0 NM Altitude: 3500.0 to 16000.0 Ft.		
3	TTT	N 32° 52' 8.98" W 97° 2' 25.81" E 6	H	540.0	113.10	TTT	Used
		ESV:	Bearing [True]: 277.0° to 343.0° Bearing [Mag]: 271.0° to 337.0°		Arc Distance: Out to 53.0 NM Altitude: 3000.0 to 16000.0 Ft.		
		ESV:	Bearing [True]: 277.0° to 343.0° Bearing [Mag]: 271.0° to 337.0°		Arc Distance: Out to 65.0 NM Altitude: 3600.0 to 16000.0 Ft.		
4	UKW	N 33° 32' 9.19" W 97° 49' 16.60" E 6	H	1101.9	112.40	UKW	Used
		ESV:	Bearing [True]: 118.0° to 152.0° Bearing [Mag]: 112.0° to 146.0°		Arc Distance: Out to 53.0 NM Altitude: 3000.0 to 16000.0 Ft.		
		ESV:	Bearing [True]: 4.0° to 20.0° Bearing [Mag]: 358.0° to 14.0°		Arc Distance: Out to 92.0 NM Altitude: 9900.0 to 16000.0 Ft.		
5	DUC	N 34° 23' 3.68" W 97° 55' 0.99" E 9	L	1089.4	111.00	DUC	Used
		ESV:	Bearing [True]: 153.0° to 172.0° Bearing [Mag]: 144.0° to 163.0°		Arc Distance: Out to 64.0 NM Altitude: 4900.0 to 20000.0 Ft.		
		ESV:	Bearing [True]: 195.0° to 272.0° Bearing [Mag]: 186.0° to 263.0°		Arc Distance: Out to 85.0 NM Altitude: 9900.0 to 20000.0 Ft.		
6	MLC	N 34° 50' 57.99" W 95° 46' 56.44" E 8	L	781.9	112.00	MLC	Not Used
		ESV:	Bearing [True]: 265.0° to 352.0° Bearing [Mag]: 257.0° to 344.0°		Arc Distance: Out to 67.0 NM Altitude: 9900.0 to 20000.0 Ft.		
7	URH	N 33° 56' 39.07" W 96° 23' 30.61" E 5	L	680.7	114.30	URH	Not Used
		Restriction:	Bearing [True]: 212.0° to 245.0° Bearing [Mag]: 207.0° to 240.0°		Distance: Beyond 35.0 NM Altitude: Below 2500.0 Ft.		
		Restriction:	Bearing [True]: 340.0° to 355.0° Bearing [Mag]: 335.0° to 350.0°		Distance: Beyond 35.0 NM Altitude: Below 2500.0 Ft.		
		ESV:	Bearing [True]: 346.0° to 6.0° Bearing [Mag]: 341.0° to 1.0°		Arc Distance: Out to 100.0 NM Altitude: 10000.0 to 20000.0 Ft.		

DME/DME (Continued.)					Return To Summary		
User DMEs (Continued.)							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [Ft]	Frequency	Replaces:	Status
8	JEN	N 32° 9' 34.52" W 97° 52' 39.65" E 6	L	1300.0	115.00	JEN	Not Used
		ESV:	Bearing [True]: 32.0° to 42.0° Bearing [Mag]: 26.0° to 36.0°		Arc Distance: Out to 65.0 NM Altitude: 3000.0 to 16000.0 Ft.		
9	OKM	N 35° 41' 35.15" W 95° 51' 57.53" E 8	H	766.0	114.90	OKM	Not Used
		ESV:	Bearing [True]: 234.0° to 247.0° Bearing [Mag]: 226.0° to 239.0°		Arc Distance: Out to 100.0 NM Altitude: 9900.0 to 20000.0 Ft.		
10	ADM	N 34° 12' 41.71" W 97° 10' 5.62" E 6	H	936.8	116.70	ADM	Used
		Restriction:	Bearing [True]: 322.0° to 332.0° Bearing [Mag]: 316.0° to 326.0°		Distance: Beyond 0.0 NM Altitude: Below 4000.0 Ft.		
		ESV:	Bearing [True]: 207.0° to 286.0° Bearing [Mag]: 201.0° to 280.0°		Arc Distance: Out to 100.0 NM Altitude: 8000.0 to 20000.0 Ft.		
11	HBR	N 34° 51' 59.60" W 99° 3' 48.19" E 10	L	1471.9	111.80	HBR	Not Used
		Restriction:	Bearing [True]: 90.0° to 100.0° Bearing [Mag]: 80.0° to 90.0°		Distance: Beyond 25.0 NM Altitude: Below 4500.0 Ft.		
		Restriction:	Bearing [True]: 110.0° to 122.0° Bearing [Mag]: 100.0° to 112.0°		Distance: Beyond 25.0 NM Altitude: Below 4500.0 Ft.		
		Restriction:	Bearing [True]: 250.0° to 280.0° Bearing [Mag]: 240.0° to 270.0°		Distance: Beyond 25.0 NM Altitude: Below 4500.0 Ft.		
		ESV:	Bearing [True]: 153.0° to 221.0° Bearing [Mag]: 143.0° to 211.0°		Arc Distance: Out to 71.0 NM Altitude: 9900.0 to 20000.0 Ft.		
12	BFV	N 35° 14' 13.00" W 99° 12' 22.20" E 8	L	1780.0	110.00	BFV	Not Used
		ESV:	Bearing [True]: 157.0° to 201.0° Bearing [Mag]: 149.0° to 193.0°		Arc Distance: Out to 89.0 NM Altitude: 9900.0 to 20000.0 Ft.		
13	SYO	N 35° 20' 42.58" W 99° 38' 7.25" E 10	L	1990.0	115.20	SYO	Not Used
		Restriction:	Bearing [True]: 66.0° to 96.0° Bearing [Mag]: 56.0° to 86.0°		Distance: Beyond 15.0 NM Altitude: Below 6000.0 Ft.		
		ESV:	Bearing [True]: 182.0° to 225.0° Bearing [Mag]: 172.0° to 215.0°		Arc Distance: Out to 90.0 NM Altitude: 10000.0 to 20000.0 Ft.		
14	PVW	N 34° 5' 10.29" W 101° 47' 24.67" E 11	L	3400.0	112.90	PVW	Not Used
		ESV:	Bearing [True]: 65.0° to 89.0° Bearing [Mag]: 54.0° to 78.0°		Arc Distance: Out to 65.0 NM Altitude: 10000.0 to 22000.0 Ft.		

DME/DME (Continued.)					Return To Summary		
User DMEs (Continued.)							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [Ft]	Frequency	Replaces:	Status
15	LBB	N 33° 42' 17.82" W 101° 54' 50.44" E 11	L	3310.0	109.20	LBB	Not Used
		ESV:	Bearing [True]: 46.0° to 63.0° Bearing [Mag]: 35.0° to 52.0°		Arc Distance: Out to 65.0 NM Altitude: 9900.0 to 22000.0 Ft.		
16	GTH	N 33° 46' 41.80" W 100° 20' 10.31" E 10	L	1940.0	114.50	GTH	Not Used
		ESV:	Bearing [True]: 305.0° to 324.0° Bearing [Mag]: 295.0° to 314.0°		Arc Distance: Out to 51.0 NM Altitude: 9900.0 to 20000.0 Ft.		
17	SPS	N 33° 59' 14.23" W 98° 35' 36.50" E 10	H	1133.1	112.70	SPS	Not Used
		ESV:	Bearing [True]: 258.0° to 274.0° Bearing [Mag]: 248.0° to 264.0°		Arc Distance: Out to 89.0 NM Altitude: 9900.0 to 16000.0 Ft.		
18	MQP	N 32° 43' 34.25" W 97° 59' 50.79" E 9	H	900.0	117.70	MQP	Used
		ESV:	Bearing [True]: 0.0° to 20.0° Bearing [Mag]: 351.0° to 11.0°		Arc Distance: Out to 45.0 NM Altitude: 4000.0 to 16000.0 Ft.		
		ESV:	Bearing [True]: 308.0° to 333.0° Bearing [Mag]: 299.0° to 324.0°		Arc Distance: Out to 100.0 NM Altitude: 10000.0 to 20000.0 Ft.		

DMEs Relative to Waypoints		Return To Summary
Waypoint Before	Waypoint After	DME List
FAWNT_	CHEIF	ADM CVE DUC IRW TTT UKW
CHEIF	BNYTA	ADM CVE TTT UKW
BNYTA	MOTZA	ADM CVE FUZ MQP TTT UKW



Name: ALAN MABRY
Project Name: KDAL WESAT RNAV STAR
Output File: KDAL WESAT STAR
 HNKER FLOWN
 20141119_1238
Procedure Name: WESAT
Software: RNAV-Pro™
Version: 2.37
Date/Time: 11/19/2014 12:38:45 PM
Input File: [KDAL WESAT STAR
 HNKER FLOWN
 20141119_1233.txt](#)
Databases: AVNIS Date: 11/18/2014
 CIFP Date: 8/21/2014
 DTED® (MAX) Date: 2002

Results Summary:

Flyability



DME/DME



No Critical DMEs Exist

Radars

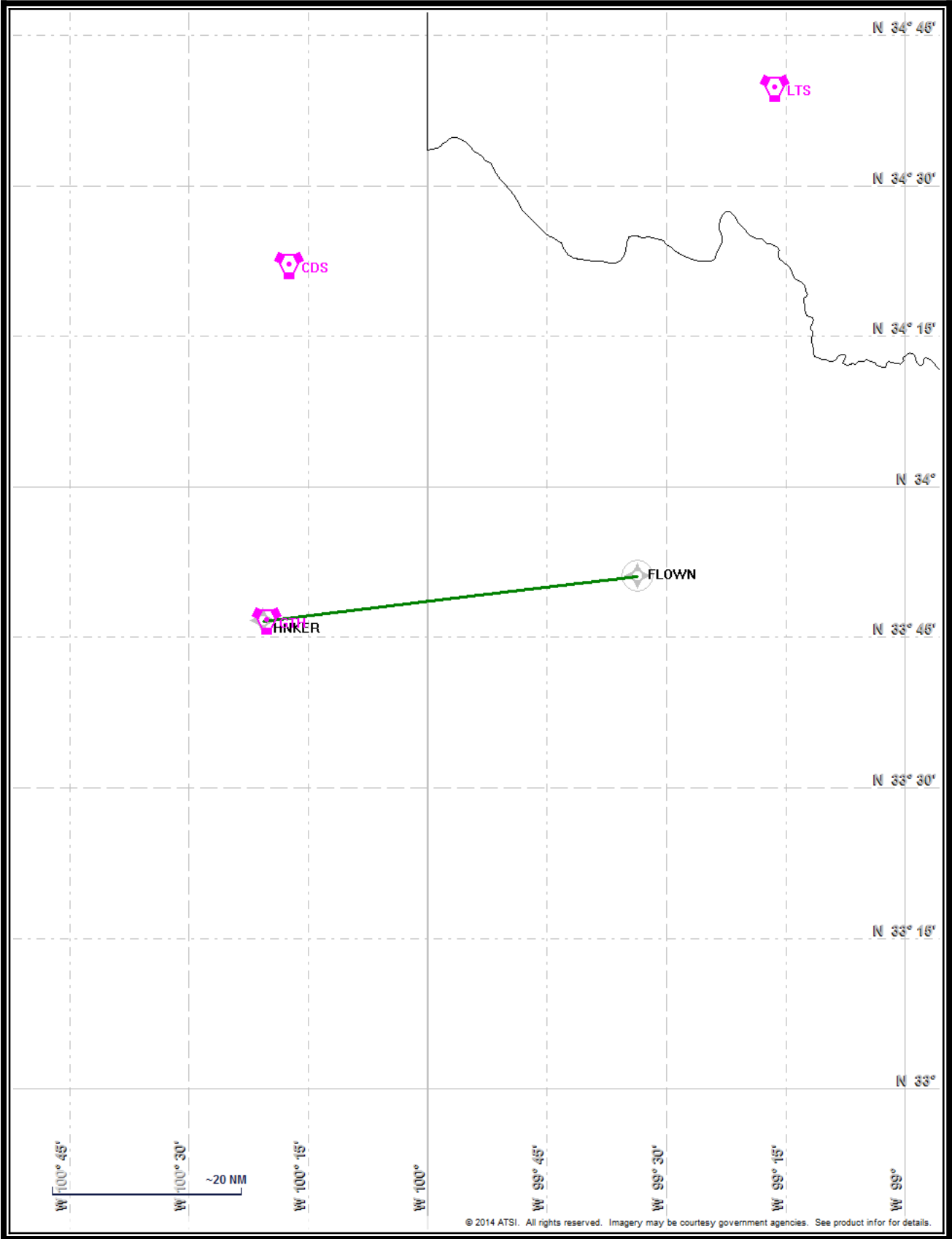


Comms



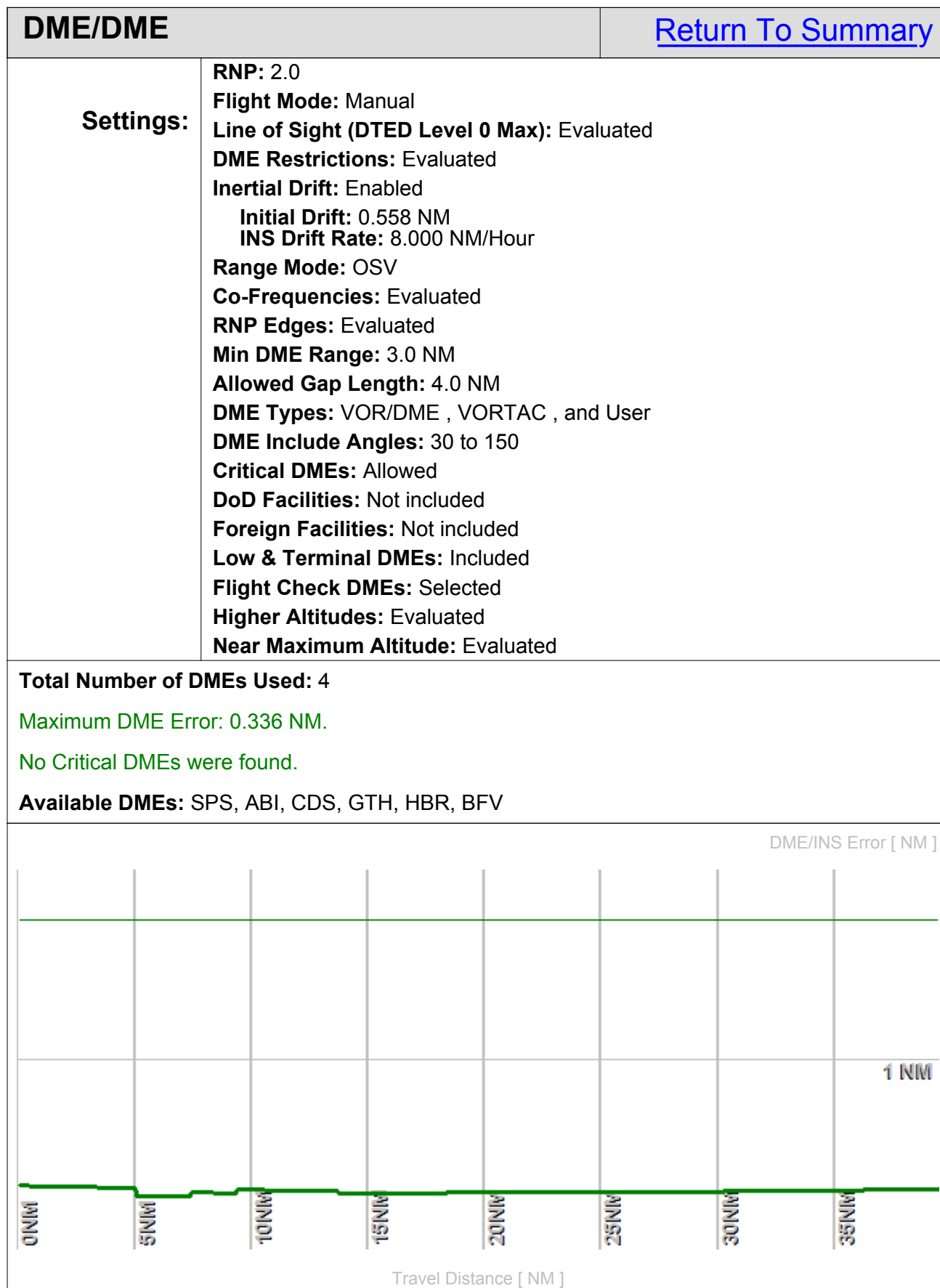
TERPS





Flight Plan					Return To Summary		
Name	Type	Lat/Lon	Alt [Ft]	VNAV Mode	IAS [Kts]	Turn Type	Leg Type
HNKER	WP	N 33° 46' 35.42" W 100° 20' 40.46"	10000.0	Step	180.0	Fly By	TF
FLOWN	WP	N 33° 51' 3.38" W 99° 33' 35.48"	10000.0	Step	180.0	Fly Over	TF

Flyability		Return To Summary
Settings:	<div>Flight Type:</div> <div>Selected Airport: KDAL</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 11000.0 Ft.</div><div>240.0 Kts up to 18000.0 Ft.</div><div>260.0 Kts up to 24000.0 Ft.</div><div>340.0 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	



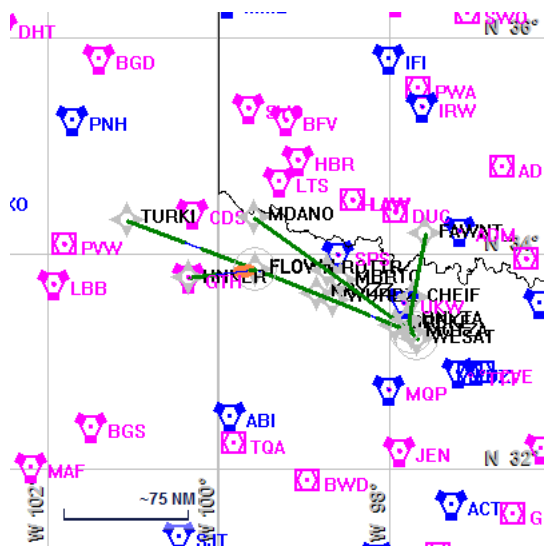
DME/DME (Continued.)						Return To Summary			
DMEs Used									
#	Name	Lat/Lon/MAGVAR	Range	Source	Critical	Err. [NM]	Status	Time	Distance
1	SPS	N 33° 59' 14.23" W 98° 35' 36.50" E 10	H + ESV	User	NO	0.760	Enabled	29.0 %	28.9 %
2	ABI	N 32° 28' 52.78" W 99° 51' 48.45" E 10	H + ESV	User	NO	1.075	Enabled	88.9 %	88.9 %
3	CDS	N 34° 22' 8.63" W 100° 17' 20.50" E 10	L	Database	NO	0.336	Enabled	11.1 %	11.1 %
4	GTH	N 33° 46' 41.80" W 100° 20' 10.31" E 10	L + ESV	User	NO	0.925	Enabled	71.0 %	71.1 %
Flight Check DME Selection									
Distance [NM]		Selected DMEs						Alternate	
0.0		ABI	GTH	SPS	CDS				
29.3		ABI	GTH	HBR	BFV				
User DMEs									
#	Name	Lat/Lon/MAGVAR	Range	Elevation [Ft]	Frequency	Replaces:	Status		
1	IRW	N 35° 21' 30.95" W 97° 36' 33.22" E 7	H	1230.0	114.10	IRW	Not Used		
		ESV:	Bearing [True]: 63.0° to 182.0° Bearing [Mag]: 56.0° to 175.0°			Arc Distance: Out to 90.0 NM Altitude: 8300.0 to 16000.0 Ft.			
2	CVE	N 32° 53' 25.12" W 96° 54' 14.27" E 6	H	450.0	116.20	CVE	Not Used		
		ESV:	Bearing [True]: 238.0° to 335.0° Bearing [Mag]: 232.0° to 329.0°			Arc Distance: Out to 53.0 NM Altitude: 3000.0 to 16000.0 Ft.			
		ESV:	Bearing [True]: 238.0° to 335.0° Bearing [Mag]: 232.0° to 329.0°			Arc Distance: Out to 65.0 NM Altitude: 3500.0 to 16000.0 Ft.			
3	TTT	N 32° 52' 8.98" W 97° 2' 25.81" E 6	H	540.0	113.10	TTT	Not Used		
		ESV:	Bearing [True]: 277.0° to 343.0° Bearing [Mag]: 271.0° to 337.0°			Arc Distance: Out to 53.0 NM Altitude: 3000.0 to 16000.0 Ft.			
		ESV:	Bearing [True]: 277.0° to 343.0° Bearing [Mag]: 271.0° to 337.0°			Arc Distance: Out to 65.0 NM Altitude: 3600.0 to 16000.0 Ft.			

DME/DME (Continued.)					Return To Summary		
User DMEs (Continued.)							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [Ft]	Frequency	Replaces:	Status
4	UKW	N 33° 32' 9.19" W 97° 49' 16.60" E 6	H	1101.9	112.40	UKW	Not Used
		ESV:	Bearing [True]: 118.0° to 152.0° Bearing [Mag]: 112.0° to 146.0°		Arc Distance: Out to 53.0 NM Altitude: 3000.0 to 16000.0 Ft.		
		ESV:	Bearing [True]: 4.0° to 20.0° Bearing [Mag]: 358.0° to 14.0°		Arc Distance: Out to 92.0 NM Altitude: 9900.0 to 16000.0 Ft.		
5	DUC	N 34° 23' 3.68" W 97° 55' 0.99" E 9	L	1089.4	111.00	DUC	Not Used
		ESV:	Bearing [True]: 153.0° to 172.0° Bearing [Mag]: 144.0° to 163.0°		Arc Distance: Out to 64.0 NM Altitude: 4900.0 to 20000.0 Ft.		
		ESV:	Bearing [True]: 195.0° to 272.0° Bearing [Mag]: 186.0° to 263.0°		Arc Distance: Out to 85.0 NM Altitude: 9900.0 to 20000.0 Ft.		
6	MLC	N 34° 50' 57.99" W 95° 46' 56.44" E 8	L	781.9	112.00	MLC	Not Used
		ESV:	Bearing [True]: 265.0° to 352.0° Bearing [Mag]: 257.0° to 344.0°		Arc Distance: Out to 67.0 NM Altitude: 9900.0 to 20000.0 Ft.		
7	URH	N 33° 56' 39.07" W 96° 23' 30.61" E 5	L	680.7	114.30	URH	Not Used
		Restriction:	Bearing [True]: 212.0° to 245.0° Bearing [Mag]: 207.0° to 240.0°		Distance: Beyond 35.0 NM Altitude: Below 2500.0 Ft.		
		Restriction:	Bearing [True]: 340.0° to 355.0° Bearing [Mag]: 335.0° to 350.0°		Distance: Beyond 35.0 NM Altitude: Below 2500.0 Ft.		
		ESV:	Bearing [True]: 346.0° to 6.0° Bearing [Mag]: 341.0° to 1.0°		Arc Distance: Out to 100.0 NM Altitude: 10000.0 to 20000.0 Ft.		
8	JEN	N 32° 9' 34.52" W 97° 52' 39.65" E 6	L	1300.0	115.00	JEN	Not Used
		ESV:	Bearing [True]: 32.0° to 42.0° Bearing [Mag]: 26.0° to 36.0°		Arc Distance: Out to 65.0 NM Altitude: 3000.0 to 16000.0 Ft.		
9	OKM	N 35° 41' 35.15" W 95° 51' 57.53" E 8	H	766.0	114.90	OKM	Not Used
		ESV:	Bearing [True]: 234.0° to 247.0° Bearing [Mag]: 226.0° to 239.0°		Arc Distance: Out to 100.0 NM Altitude: 9900.0 to 20000.0 Ft.		
10	ADM	N 34° 12' 41.71" W 97° 10' 5.62" E 6	H	936.8	116.70	ADM	Not Used
		Restriction:	Bearing [True]: 322.0° to 332.0° Bearing [Mag]: 316.0° to 326.0°		Distance: Beyond 0.0 NM Altitude: Below 4000.0 Ft.		
		ESV:	Bearing [True]: 207.0° to 286.0° Bearing [Mag]: 201.0° to 280.0°		Arc Distance: Out to 100.0 NM Altitude: 8000.0 to 20000.0 Ft.		

DME/DME (Continued.)					Return To Summary		
User DMEs (Continued.)							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [Ft]	Frequency	Replaces:	Status
11	HBR	N 34° 51' 59.60" W 99° 3' 48.19" E 10	L	1471.9	111.80	HBR	Not Used
Restriction:		Bearing [True]: 90.0° to 100.0° Bearing [Mag]: 80.0° to 90.0°			Distance: Beyond 25.0 NM Altitude: Below 4500.0 Ft.		
Restriction:		Bearing [True]: 110.0° to 122.0° Bearing [Mag]: 100.0° to 112.0°			Distance: Beyond 25.0 NM Altitude: Below 4500.0 Ft.		
Restriction:		Bearing [True]: 250.0° to 280.0° Bearing [Mag]: 240.0° to 270.0°			Distance: Beyond 25.0 NM Altitude: Below 4500.0 Ft.		
ESV:		Bearing [True]: 153.0° to 221.0° Bearing [Mag]: 143.0° to 211.0°			Arc Distance: Out to 71.0 NM Altitude: 9900.0 to 20000.0 Ft.		
12	BFV	N 35° 14' 13.00" W 99° 12' 22.20" E 8	L	1780.0	110.00	BFV	Not Used
ESV:		Bearing [True]: 157.0° to 201.0° Bearing [Mag]: 149.0° to 193.0°			Arc Distance: Out to 89.0 NM Altitude: 9900.0 to 20000.0 Ft.		
13	SYO	N 35° 20' 42.58" W 99° 38' 7.25" E 10	L	1990.0	115.20	SYO	Not Used
Restriction:		Bearing [True]: 66.0° to 96.0° Bearing [Mag]: 56.0° to 86.0°			Distance: Beyond 15.0 NM Altitude: Below 6000.0 Ft.		
ESV:		Bearing [True]: 182.0° to 225.0° Bearing [Mag]: 172.0° to 215.0°			Arc Distance: Out to 90.0 NM Altitude: 10000.0 to 20000.0 Ft.		
14	PVW	N 34° 5' 10.29" W 101° 47' 24.67" E 11	L	3400.0	112.90	PVW	Not Used
ESV:		Bearing [True]: 65.0° to 89.0° Bearing [Mag]: 54.0° to 78.0°			Arc Distance: Out to 65.0 NM Altitude: 10000.0 to 22000.0 Ft.		
15	LBB	N 33° 42' 17.82" W 101° 54' 50.44" E 11	L	3310.0	109.20	LBB	Not Used
ESV:		Bearing [True]: 46.0° to 63.0° Bearing [Mag]: 35.0° to 52.0°			Arc Distance: Out to 65.0 NM Altitude: 9900.0 to 22000.0 Ft.		
16	GTH	N 33° 46' 41.80" W 100° 20' 10.31" E 10	L	1940.0	114.50	GTH	Used
ESV:		Bearing [True]: 305.0° to 324.0° Bearing [Mag]: 295.0° to 314.0°			Arc Distance: Out to 51.0 NM Altitude: 9900.0 to 20000.0 Ft.		
17	SPS	N 33° 59' 14.23" W 98° 35' 36.50" E 10	H	1133.1	112.70	SPS	Used
ESV:		Bearing [True]: 258.0° to 274.0° Bearing [Mag]: 248.0° to 264.0°			Arc Distance: Out to 89.0 NM Altitude: 9900.0 to 16000.0 Ft.		

DME/DME (Continued.)					Return To Summary		
User DMEs (Continued.)							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [Ft]	Frequency	Replaces:	Status
18	MQP	N 32° 43' 34.25" W 97° 59' 50.79" E 9	H	900.0	117.70	MQP	Not Used
		ESV:	Bearing [True]: 0.0° to 20.0° Bearing [Mag]: 351.0° to 11.0°		Arc Distance: Out to 45.0 NM Altitude: 4000.0 to 16000.0 Ft.		
		ESV:	Bearing [True]: 308.0° to 333.0° Bearing [Mag]: 299.0° to 324.0°		Arc Distance: Out to 100.0 NM Altitude: 10000.0 to 20000.0 Ft.		
19	ABI	N 32° 28' 52.78" W 99° 51' 48.45" E 10	H	1810.0	113.70	ABI	Used
		ESV:	Bearing [True]: 313.0° to 77.0° Bearing [Mag]: 303.0° to 67.0°		Arc Distance: Out to 91.0 NM Altitude: 9000.0 to 18000.0 Ft.		

DMEs Relative to Waypoints		Return To Summary
Waypoint Before	Waypoint After	DME List
HAKER	FLOWN	ABI BFV CDS GTH HBR SPS



Name: ALAN MABRY
Project Name: KDAL WESAT RNAV STAR
Output File: KDAL WESAT STAR
MDANO MOTZA
20141119_1204
Procedure Name: WESAT
Software: RNAV-Pro™
Version: 2.37
Date/Time: 11/19/2014 12:06:12 PM
Input File: [KDAL WESAT STAR
MDANO MOTZA
20141119_1141.txt](#)
Databases: AVNIS Date: 11/18/2014
CIFP Date: 8/21/2014
DTED® (MAX) Date: 2002

Results Summary:

Flyability



DME/DME



No Critical DMEs Exist

Radars

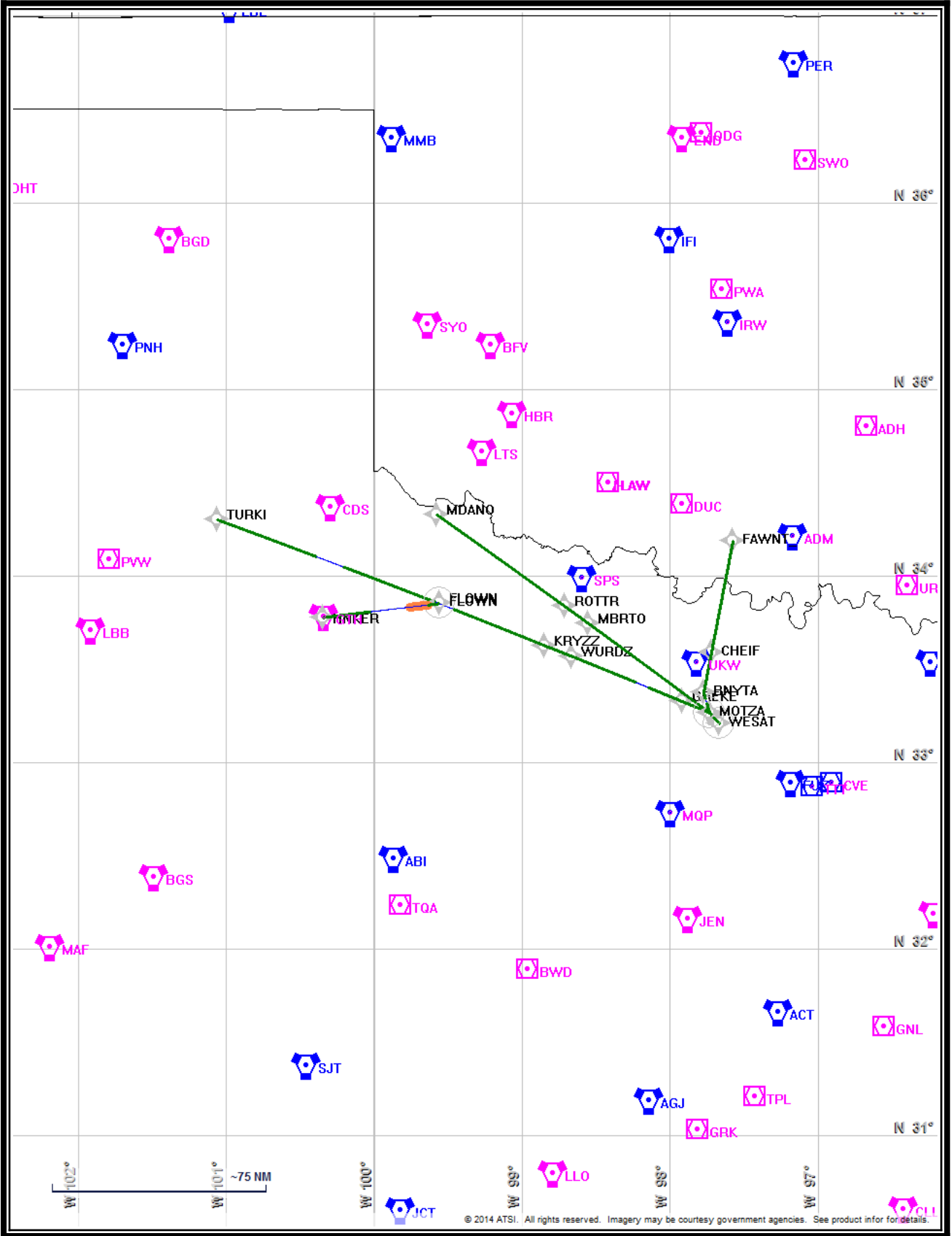


Comms



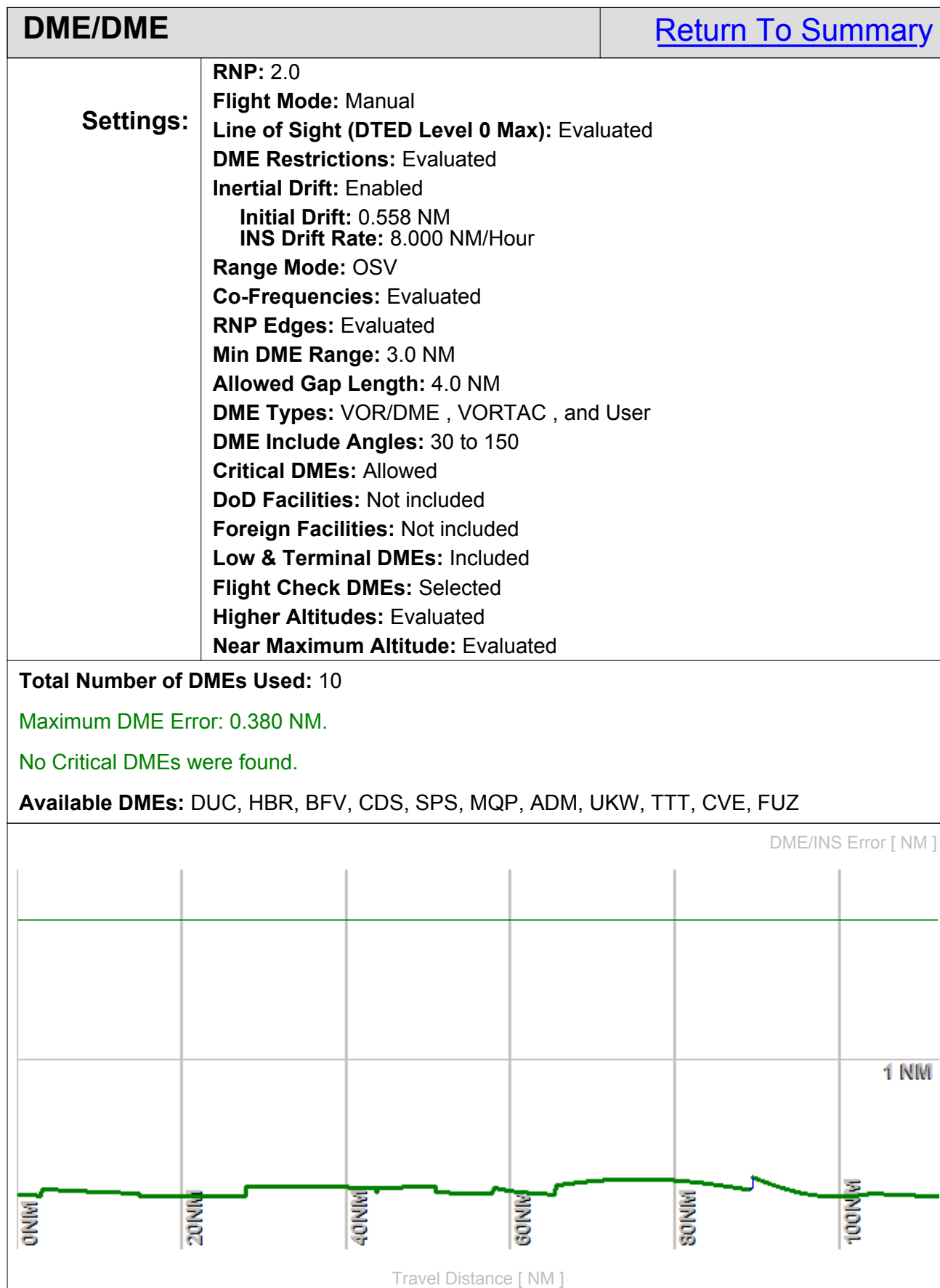
TERPS





Flight Plan					Return To Summary		
Name	Type	Lat/Lon	Alt [Ft]	VNAV Mode	IAS [Kts]	Turn Type	Leg Type
MDANO	WP	N 34° 19' 39.92" W 99° 34' 36.83"	10000.0	Step	180.0	Fly By	TF
ROTTR	WP	N 33° 50' 14.19" W 98° 42' 48.34"	10000.0	Step	180.0	Fly By	TF
MBRTO	WP	N 33° 44' 42.83" W 98° 33' 10.42"	10000.0	Step	180.0	Fly By	TF
MOTZA	WP	N 33° 15' 58.12" W 97° 44' 0.12"	5000.0	Step	180.0	Fly Over	TF

Flyability		Return To Summary
Settings:	Flight Type: Arrival Selected Airport: KDAL 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	
	Entire track is fly-able	



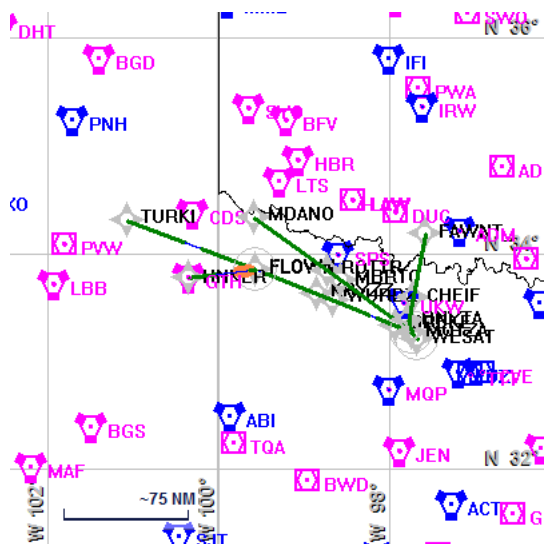
DME/DME (Continued.)						Return To Summary			
DMEs Used									
#	Name	Lat/Lon/MAGVAR	Range	Source	Critical	Err. [NM]	Status	Time	Distance
1	BFV	N 35° 14' 13.00" W 99° 12' 22.20" E 8	L + ESV	User	NO	0.380	Enabled	33.7 %	33.7 %
2	CDS	N 34° 22' 8.63" W 100° 17' 20.50" E 10	L	Database	NO	0.380	Enabled	2.6 %	2.5 %
3	DUC	N 34° 23' 3.68" W 97° 55' 0.99" E 9	L + ESV	User	NO	0.758	Enabled	10.7 %	10.7 %
4	HBR	N 34° 51' 59.60" W 99° 3' 48.19" E 10	L + ESV	User	NO	0.470	Enabled	17.8 %	17.8 %
5	SPS	N 33° 59' 14.23" W 98° 35' 36.50" E 10	H + ESV	User	NO	1.389	Enabled	39.5 %	39.6 %
6	ADM	N 34° 12' 41.71" W 97° 10' 5.62" E 6	H + ESV	User	NO	0.452	Enabled	33.5 %	33.5 %
7	MQP	N 32° 43' 34.25" W 97° 59' 50.79" E 9	H + ESV	User	NO	0.389	Enabled	7.2 %	7.2 %
8	UKW	N 33° 32' 9.19" W 97° 49' 16.60" E 6	H + ESV	User	NO	1.502	Enabled	34.1 %	34.1 %
9	TTT	N 32° 52' 8.98" W 97° 2' 25.81" E 6	H + ESV	User	NO	0.544	Enabled	9.2 %	9.2 %
10	CVE	N 32° 53' 25.12" W 96° 54' 14.27" E 6	H + ESV	User	NO	0.380	Enabled	11.0 %	11.0 %
Flight Check DME Selection									
Distance [NM]		Selected DMEs						Alternate	
0.0		BFV	DUC	CDS	HBR				
10.1		BFV	DUC	SPS	HBR	ADM		MQP	
36.1		BFV	DUC	MQP	HBR	ADM		SPS	
52.1		SPS	DUC	ADM	HBR				
61.8		SPS	DUC	ADM	UKW				
89.4		MQP	TTT	CVE	UKW	FUZ			

DME/DME (Continued.)					Return To Summary		
Inertial Drift Segments							
#	Start Location			End Location			Length [NM]
1	N 33° 29' 7.19" W 98° 6' 21.55"			N 33° 28' 57.63" W 98° 6' 5.21"			0.3
VOR: SPS				Available from N 33° 29' 7.19" W 98° 6' 21.55" to N 33° 28' 57.63" W 98° 6' 5.21"			
VOR: UKW				Available from N 33° 29' 7.19" W 98° 6' 21.55" to N 33° 28' 57.63" W 98° 6' 5.21"			
User DMEs							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [Ft]	Frequency	Replaces:	Status
1	IRW	N 35° 21' 30.95" W 97° 36' 33.22" E 7	H	1230.0	114.10	IRW	Not Used
		ESV:	Bearing [True]: 63.0° to 182.0° Bearing [Mag]: 56.0° to 175.0°		Arc Distance: Out to 90.0 NM Altitude: 8300.0 to 16000.0 Ft.		
2	CVE	N 32° 53' 25.12" W 96° 54' 14.27" E 6	H	450.0	116.20	CVE	Used
		ESV:	Bearing [True]: 238.0° to 335.0° Bearing [Mag]: 232.0° to 329.0°		Arc Distance: Out to 53.0 NM Altitude: 3000.0 to 16000.0 Ft.		
		ESV:	Bearing [True]: 238.0° to 335.0° Bearing [Mag]: 232.0° to 329.0°		Arc Distance: Out to 65.0 NM Altitude: 3500.0 to 16000.0 Ft.		
3	TTT	N 32° 52' 8.98" W 97° 2' 25.81" E 6	H	540.0	113.10	TTT	Used
		ESV:	Bearing [True]: 277.0° to 343.0° Bearing [Mag]: 271.0° to 337.0°		Arc Distance: Out to 53.0 NM Altitude: 3000.0 to 16000.0 Ft.		
		ESV:	Bearing [True]: 277.0° to 343.0° Bearing [Mag]: 271.0° to 337.0°		Arc Distance: Out to 65.0 NM Altitude: 3600.0 to 16000.0 Ft.		
4	UKW	N 33° 32' 9.19" W 97° 49' 16.60" E 6	H	1101.9	112.40	UKW	Used
		ESV:	Bearing [True]: 118.0° to 152.0° Bearing [Mag]: 112.0° to 146.0°		Arc Distance: Out to 53.0 NM Altitude: 3000.0 to 16000.0 Ft.		
		ESV:	Bearing [True]: 4.0° to 20.0° Bearing [Mag]: 358.0° to 14.0°		Arc Distance: Out to 92.0 NM Altitude: 9900.0 to 16000.0 Ft.		
5	DUC	N 34° 23' 3.68" W 97° 55' 0.99" E 9	L	1089.4	111.00	DUC	Used
		ESV:	Bearing [True]: 153.0° to 172.0° Bearing [Mag]: 144.0° to 163.0°		Arc Distance: Out to 64.0 NM Altitude: 4900.0 to 20000.0 Ft.		
		ESV:	Bearing [True]: 195.0° to 272.0° Bearing [Mag]: 186.0° to 263.0°		Arc Distance: Out to 85.0 NM Altitude: 9900.0 to 20000.0 Ft.		
6	MLC	N 34° 50' 57.99" W 95° 46' 56.44" E 8	L	781.9	112.00	MLC	Not Used
		ESV:	Bearing [True]: 265.0° to 352.0° Bearing [Mag]: 257.0° to 344.0°		Arc Distance: Out to 67.0 NM Altitude: 9900.0 to 20000.0 Ft.		

DME/DME (Continued.)					Return To Summary		
User DMEs (Continued.)							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [Ft]	Frequency	Replaces:	Status
7	URH	N 33° 56' 39.07" W 96° 23' 30.61" E 5	L	680.7	114.30	URH	Not Used
Restriction:		Bearing [True]: 212.0° to 245.0° Bearing [Mag]: 207.0° to 240.0°			Distance: Beyond 35.0 NM Altitude: Below 2500.0 Ft.		
Restriction:		Bearing [True]: 340.0° to 355.0° Bearing [Mag]: 335.0° to 350.0°			Distance: Beyond 35.0 NM Altitude: Below 2500.0 Ft.		
ESV:		Bearing [True]: 346.0° to 6.0° Bearing [Mag]: 341.0° to 1.0°			Arc Distance: Out to 100.0 NM Altitude: 10000.0 to 20000.0 Ft.		
8	JEN	N 32° 9' 34.52" W 97° 52' 39.65" E 6	L	1300.0	115.00	JEN	Not Used
ESV:		Bearing [True]: 32.0° to 42.0° Bearing [Mag]: 26.0° to 36.0°			Arc Distance: Out to 65.0 NM Altitude: 3000.0 to 16000.0 Ft.		
9	OKM	N 35° 41' 35.15" W 95° 51' 57.53" E 8	H	766.0	114.90	OKM	Not Used
ESV:		Bearing [True]: 234.0° to 247.0° Bearing [Mag]: 226.0° to 239.0°			Arc Distance: Out to 100.0 NM Altitude: 9900.0 to 20000.0 Ft.		
10	ADM	N 34° 12' 41.71" W 97° 10' 5.62" E 6	H	936.8	116.70	ADM	Used
Restriction:		Bearing [True]: 322.0° to 332.0° Bearing [Mag]: 316.0° to 326.0°			Distance: Beyond 0.0 NM Altitude: Below 4000.0 Ft.		
ESV:		Bearing [True]: 207.0° to 286.0° Bearing [Mag]: 201.0° to 280.0°			Arc Distance: Out to 100.0 NM Altitude: 8000.0 to 20000.0 Ft.		
11	HBR	N 34° 51' 59.60" W 99° 3' 48.19" E 10	L	1471.9	111.80	HBR	Used
Restriction:		Bearing [True]: 90.0° to 100.0° Bearing [Mag]: 80.0° to 90.0°			Distance: Beyond 25.0 NM Altitude: Below 4500.0 Ft.		
Restriction:		Bearing [True]: 110.0° to 122.0° Bearing [Mag]: 100.0° to 112.0°			Distance: Beyond 25.0 NM Altitude: Below 4500.0 Ft.		
Restriction:		Bearing [True]: 250.0° to 280.0° Bearing [Mag]: 240.0° to 270.0°			Distance: Beyond 25.0 NM Altitude: Below 4500.0 Ft.		
ESV:		Bearing [True]: 153.0° to 221.0° Bearing [Mag]: 143.0° to 211.0°			Arc Distance: Out to 71.0 NM Altitude: 9900.0 to 20000.0 Ft.		
12	BFV	N 35° 14' 13.00" W 99° 12' 22.20" E 8	L	1780.0	110.00	BFV	Used
ESV:		Bearing [True]: 157.0° to 201.0° Bearing [Mag]: 149.0° to 193.0°			Arc Distance: Out to 89.0 NM Altitude: 9900.0 to 20000.0 Ft.		

DME/DME (Continued.)					Return To Summary		
User DMEs (Continued.)							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [Ft]	Frequency	Replaces:	Status
13	SYO	N 35° 20' 42.58" W 99° 38' 7.25" E 10	L	1990.0	115.20	SYO	Not Used
Restriction:		Bearing [True]: 66.0° to 96.0° Bearing [Mag]: 56.0° to 86.0°			Distance: Beyond 15.0 NM Altitude: Below 6000.0 Ft.		
ESV:		Bearing [True]: 182.0° to 225.0° Bearing [Mag]: 172.0° to 215.0°			Arc Distance: Out to 90.0 NM Altitude: 10000.0 to 20000.0 Ft.		
14	PVW	N 34° 5' 10.29" W 101° 47' 24.67" E 11	L	3400.0	112.90	PVW	Not Used
ESV:		Bearing [True]: 65.0° to 89.0° Bearing [Mag]: 54.0° to 78.0°			Arc Distance: Out to 65.0 NM Altitude: 10000.0 to 22000.0 Ft.		
15	LBB	N 33° 42' 17.82" W 101° 54' 50.44" E 11	L	3310.0	109.20	LBB	Not Used
ESV:		Bearing [True]: 46.0° to 63.0° Bearing [Mag]: 35.0° to 52.0°			Arc Distance: Out to 65.0 NM Altitude: 9900.0 to 22000.0 Ft.		
16	GTH	N 33° 46' 41.80" W 100° 20' 10.31" E 10	L	1940.0	114.50	GTH	Not Used
ESV:		Bearing [True]: 305.0° to 324.0° Bearing [Mag]: 295.0° to 314.0°			Arc Distance: Out to 51.0 NM Altitude: 9900.0 to 20000.0 Ft.		
17	SPS	N 33° 59' 14.23" W 98° 35' 36.50" E 10	H	1133.1	112.70	SPS	Used
ESV:		Bearing [True]: 258.0° to 274.0° Bearing [Mag]: 248.0° to 264.0°			Arc Distance: Out to 89.0 NM Altitude: 9900.0 to 16000.0 Ft.		
18	MQP	N 32° 43' 34.25" W 97° 59' 50.79" E 9	H	900.0	117.70	MQP	Used
ESV:		Bearing [True]: 0.0° to 20.0° Bearing [Mag]: 351.0° to 11.0°			Arc Distance: Out to 45.0 NM Altitude: 4000.0 to 16000.0 Ft.		
ESV:		Bearing [True]: 308.0° to 333.0° Bearing [Mag]: 299.0° to 324.0°			Arc Distance: Out to 100.0 NM Altitude: 10000.0 to 20000.0 Ft.		

DMEs Relative to Waypoints		Return To Summary
Waypoint Before	Waypoint After	DME List
MDANO	ROTTR	ADM BFV CDS DUC HBR MQP SPS
ROTTR	MBRTO	ADM DUC HBR SPS
MBRTO	MOTZA	ADM CVE DUC FUZ MQP SPS TTT UKW



Name: ALAN MABRY
Project Name: KDAL WESAT RNAV STAR
Output File: KDAL WESAT STAR
 TURKI WESAT
 20141119_1204
Procedure Name: WESAT
Software: RNAV-Pro™
Version: 2.37
Date/Time: 11/19/2014 12:05:34 PM
Input File: [KDAL WESAT STAR
 TURKI WESAT
 20141119_1140.txt](#)
Databases: AVNIS Date: 11/18/2014
 CIFP Date: 8/21/2014
 DTED® (MAX) Date: 2002

Results Summary:

Flyability



DME/DME



No Critical DMEs Exist

Radars

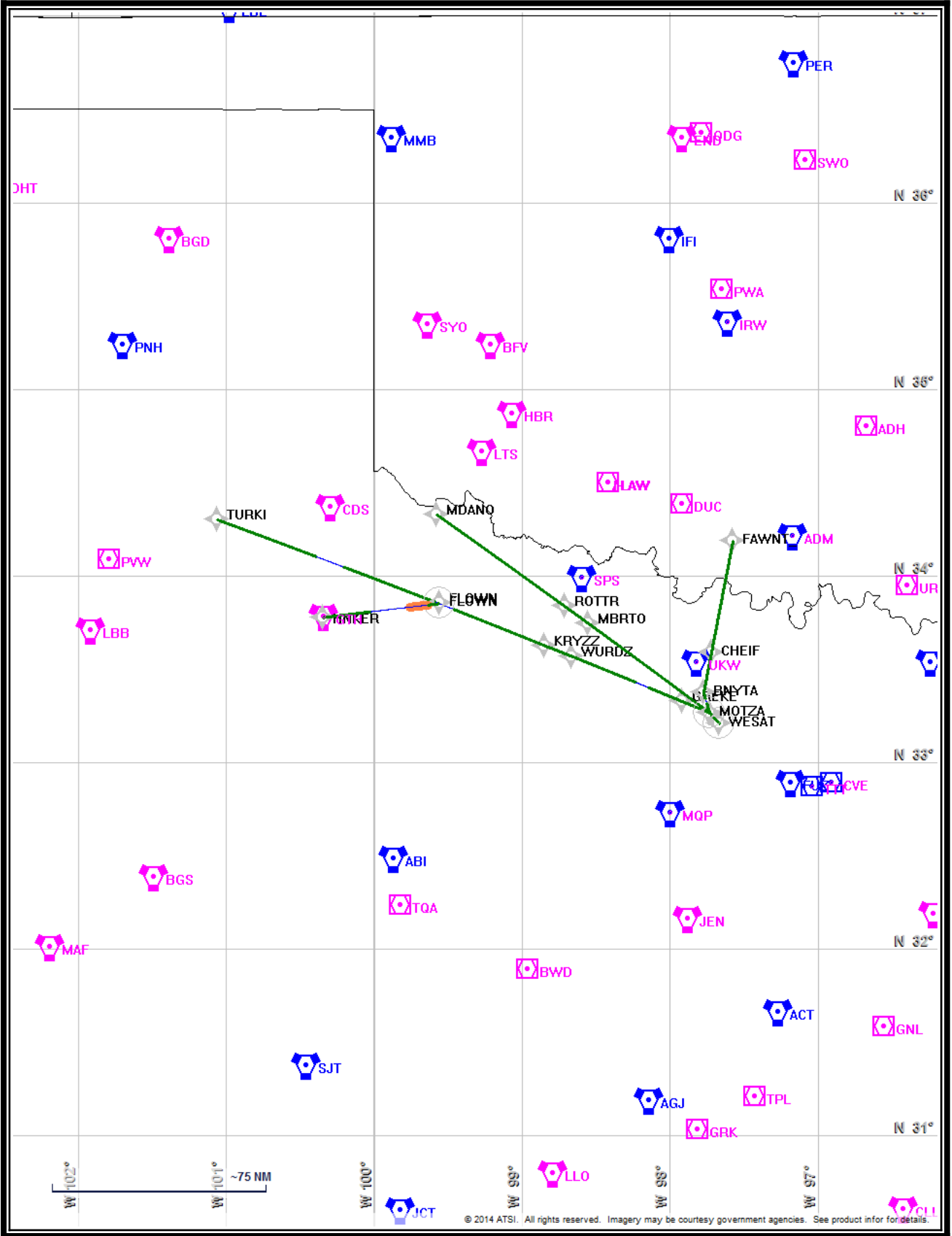


Comms



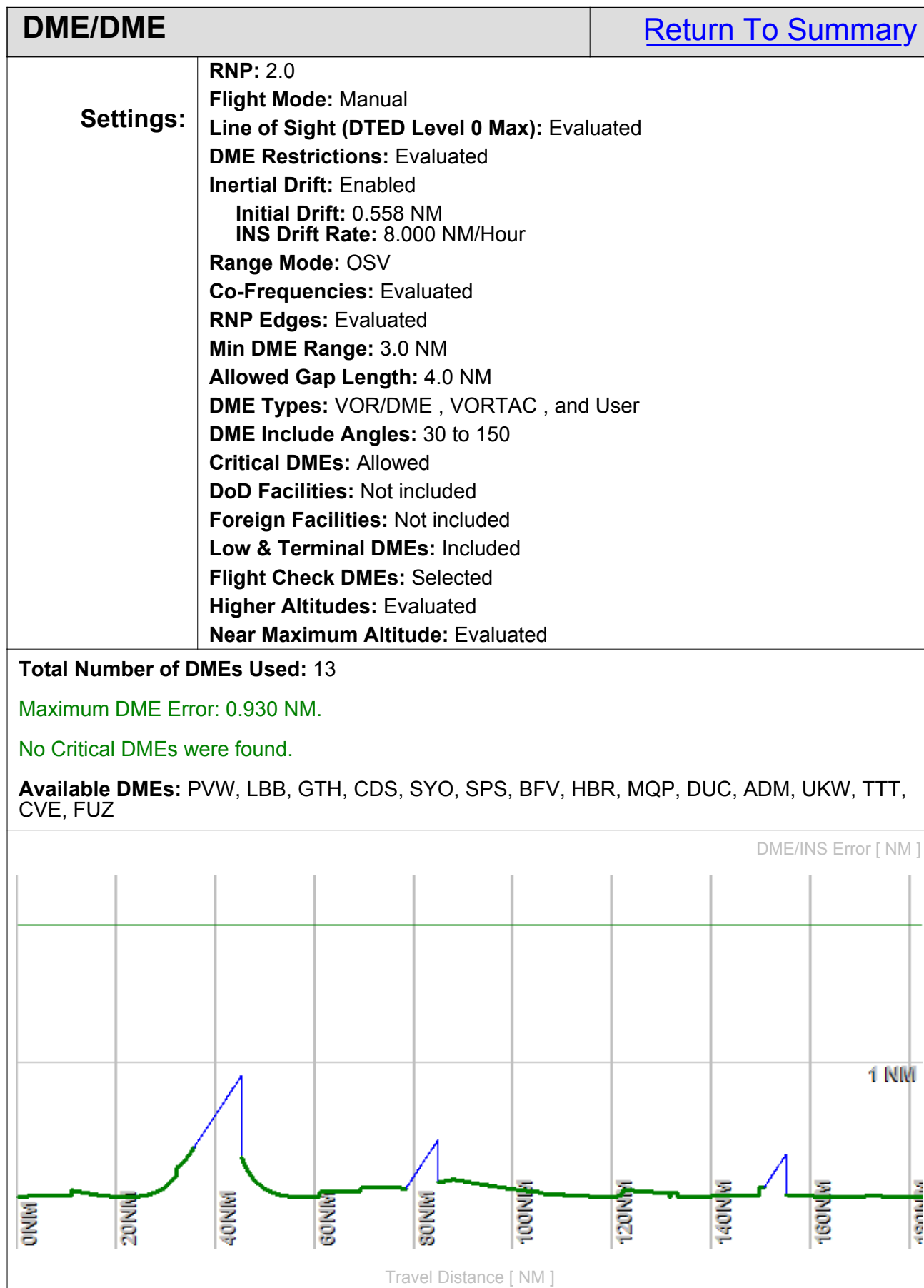
TERPS





Flight Plan					Return To Summary		
Name	Type	Lat/Lon	Alt [Ft]	VNAV Mode	IAS [Kts]	Turn Type	Leg Type
TURKI	WP	N 34° 18' 3.33" W 101° 3' 39.02"	10000.0	Step	180.0	Fly By	TF
FLOWN	WP	N 33° 51' 3.38" W 99° 33' 35.48"	10000.0	Step	180.0	Fly By	TF
KRYZZ	WP	N 33° 37' 34.48" W 98° 50' 54.99"	10000.0	Step	180.0	Fly By	TF
WURDZ	WP	N 33° 34' 4.78" W 98° 39' 41.79"	10000.0	Step	180.0	Fly By	TF
GREKE	WP	N 33° 19' 36.44" W 97° 55' 7.07"	10000.0	Step	180.0	Fly By	TF
MOTZA	WP	N 33° 15' 58.12" W 97° 44' 0.12"	5000.0	Step	180.0	Fly By	TF
WESAT	WP	N 33° 12' 21.84" W 97° 39' 51.75"	4000.0	Step	180.0	Fly Over	TF

Flyability		Return To Summary
Settings:	<div>Flight Type: Arrival</div> <div>Selected Airport: KDAL</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 11000.0 Ft.</div><div>240.0 Kts up to 18000.0 Ft.</div><div>260.0 Kts up to 24000.0 Ft.</div><div>340.0 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	LBB	N 33° 42' 17.82" W 101° 54' 50.44" E 11	L + ESV	User	NO	0.930	Enabled	6.0 %	6.0 %
2	GTH	N 33° 46' 41.80" W 100° 20' 10.31" E 10	L + ESV	User	NO	1.394	Enabled	29.1 %	29.0 %
3	CDS	N 34° 22' 8.63" W 100° 17' 20.50" E 10	L	Database	NO	1.268	Enabled	20.3 %	20.3 %
4	SYO	N 35° 20' 42.58" W 99° 38' 7.25" E 10	L + ESV	User	NO	0.946	Enabled	6.3 %	6.3 %
5	SPS	N 33° 59' 14.23" W 98° 35' 36.50" E 10	H + ESV	User	NO	0.930	Enabled	20.3 %	20.3 %
6	BFV	N 35° 14' 13.00" W 99° 12' 22.20" E 8	L + ESV	User	NO	0.930	Enabled	5.0 %	5.0 %
7	HBR	N 34° 51' 59.60" W 99° 3' 48.19" E 10	L + ESV	User	NO	0.930	Enabled	1.5 %	1.5 %
8	MQP	N 32° 43' 34.25" W 97° 59' 50.79" E 9	H + ESV	User	NO	1.103	Enabled	32.7 %	32.7 %
9	DUC	N 34° 23' 3.68" W 97° 55' 0.99" E 9	L + ESV	User	NO	0.930	Enabled	16.8 %	16.8 %
10	ADM	N 34° 12' 41.71" W 97° 10' 5.62" E 6	H + ESV	User	NO	0.930	Enabled	12.7 %	12.7 %
11	UKW	N 33° 32' 9.19" W 97° 49' 16.60" E 6	H + ESV	User	NO	0.930	Enabled	11.8 %	11.8 %
12	TTT	N 32° 52' 8.98" W 97° 2' 25.81" E 6	H + ESV	User	NO	0.930	Enabled	8.3 %	8.3 %
13	CVE	N 32° 53' 25.12" W 96° 54' 14.27" E 6	H + ESV	User	NO	0.930	Enabled	6.7 %	6.7 %
Flight Check DME Selection									
Distance [NM]		Selected DMEs						Alternate	
0.0		GTH	LBB	CDS	PVW				
20.9		GTH	SYO	CDS	PVW				
53.7		GTH	SYO	CDS	SPS	BFV	HBR		
69.3		GTH	BFV	HBR	SPS				
79.5		MQP	DUC	HBR	SPS	ADM	BFV		
117.5		MQP	DUC	ADM	SPS				
127.5		MQP	DUC	ADM	SPS	UKW			
155.1		MQP	TTT	ADM	CVE	UKW			
167.6		MQP	TTT	ADM	CVE	UKW	FUZ		
177.0		MQP	TTT	FUZ	CVE	UKW			

DME/DME (Continued.)					Return To Summary		
Inertial Drift Segments							
#	Start Location			End Location		Length [NM]	
1	N 34° 6' 8.31" W 100° 23' 19.24"			N 34° 2' 50.16" W 100° 12' 18.60"		9.7	
VOR: CDS			Available from N 34° 6' 8.31" W 100° 23' 19.24" to N 34° 2' 50.16" W 100° 12' 18.60"				
VOR: GTH			Available from N 34° 6' 8.31" W 100° 23' 19.24" to N 34° 2' 50.16" W 100° 12' 18.60"				
2	N 33° 51' 26.75" W 99° 34' 51.43"			N 33° 49' 12.47" W 99° 27' 40.28"		6.4	
VOR: GTH			Available from N 33° 51' 26.75" W 99° 34' 51.43" to N 33° 50' 41.57" W 99° 32' 25.04"				
3	N 33° 25' 44.00" W 98° 13' 51.15"			N 33° 24' 8.47" W 98° 8' 57.90"		4.4	
VOR: SPS			Available from N 33° 25' 44.00" W 98° 13' 51.15" to N 33° 24' 49.61" W 98° 11' 4.09"				
VOR: UKW			Available from N 33° 25' 44.00" W 98° 13' 51.15" to N 33° 24' 8.47" W 98° 8' 57.90"				
User DMEs							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [Ft]	Frequency	Replaces:	Status
1	IRW	N 35° 21' 30.95" W 97° 36' 33.22" E 7	H	1230.0	114.10	IRW	Not Used
		ESV:	Bearing [True]: 63.0° to 182.0° Bearing [Mag]: 56.0° to 175.0°		Arc Distance: Out to 90.0 NM Altitude: 8300.0 to 16000.0 Ft.		
2	CVE	N 32° 53' 25.12" W 96° 54' 14.27" E 6	H	450.0	116.20	CVE	Used
		ESV:	Bearing [True]: 238.0° to 335.0° Bearing [Mag]: 232.0° to 329.0°		Arc Distance: Out to 53.0 NM Altitude: 3000.0 to 16000.0 Ft.		
		ESV:	Bearing [True]: 238.0° to 335.0° Bearing [Mag]: 232.0° to 329.0°		Arc Distance: Out to 65.0 NM Altitude: 3500.0 to 16000.0 Ft.		
3	TTT	N 32° 52' 8.98" W 97° 2' 25.81" E 6	H	540.0	113.10	TTT	Used
		ESV:	Bearing [True]: 277.0° to 343.0° Bearing [Mag]: 271.0° to 337.0°		Arc Distance: Out to 53.0 NM Altitude: 3000.0 to 16000.0 Ft.		
		ESV:	Bearing [True]: 277.0° to 343.0° Bearing [Mag]: 271.0° to 337.0°		Arc Distance: Out to 65.0 NM Altitude: 3600.0 to 16000.0 Ft.		

DME/DME (Continued.)					Return To Summary		
User DMEs (Continued.)							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [Ft]	Frequency	Replaces:	Status
4	UKW	N 33° 32' 9.19" W 97° 49' 16.60" E 6	H	1101.9	112.40	UKW	Used
		ESV:	Bearing [True]: 118.0° to 152.0° Bearing [Mag]: 112.0° to 146.0°		Arc Distance: Out to 53.0 NM Altitude: 3000.0 to 16000.0 Ft.		
		ESV:	Bearing [True]: 4.0° to 20.0° Bearing [Mag]: 358.0° to 14.0°		Arc Distance: Out to 92.0 NM Altitude: 9900.0 to 16000.0 Ft.		
5	DUC	N 34° 23' 3.68" W 97° 55' 0.99" E 9	L	1089.4	111.00	DUC	Used
		ESV:	Bearing [True]: 153.0° to 172.0° Bearing [Mag]: 144.0° to 163.0°		Arc Distance: Out to 64.0 NM Altitude: 4900.0 to 20000.0 Ft.		
		ESV:	Bearing [True]: 195.0° to 272.0° Bearing [Mag]: 186.0° to 263.0°		Arc Distance: Out to 85.0 NM Altitude: 9900.0 to 20000.0 Ft.		
6	MLC	N 34° 50' 57.99" W 95° 46' 56.44" E 8	L	781.9	112.00	MLC	Not Used
		ESV:	Bearing [True]: 265.0° to 352.0° Bearing [Mag]: 257.0° to 344.0°		Arc Distance: Out to 67.0 NM Altitude: 9900.0 to 20000.0 Ft.		
7	URH	N 33° 56' 39.07" W 96° 23' 30.61" E 5	L	680.7	114.30	URH	Not Used
		Restriction:	Bearing [True]: 212.0° to 245.0° Bearing [Mag]: 207.0° to 240.0°		Distance: Beyond 35.0 NM Altitude: Below 2500.0 Ft.		
		Restriction:	Bearing [True]: 340.0° to 355.0° Bearing [Mag]: 335.0° to 350.0°		Distance: Beyond 35.0 NM Altitude: Below 2500.0 Ft.		
		ESV:	Bearing [True]: 346.0° to 6.0° Bearing [Mag]: 341.0° to 1.0°		Arc Distance: Out to 100.0 NM Altitude: 10000.0 to 20000.0 Ft.		
8	JEN	N 32° 9' 34.52" W 97° 52' 39.65" E 6	L	1300.0	115.00	JEN	Not Used
		ESV:	Bearing [True]: 32.0° to 42.0° Bearing [Mag]: 26.0° to 36.0°		Arc Distance: Out to 65.0 NM Altitude: 3000.0 to 16000.0 Ft.		
9	OKM	N 35° 41' 35.15" W 95° 51' 57.53" E 8	H	766.0	114.90	OKM	Not Used
		ESV:	Bearing [True]: 234.0° to 247.0° Bearing [Mag]: 226.0° to 239.0°		Arc Distance: Out to 100.0 NM Altitude: 9900.0 to 20000.0 Ft.		
10	ADM	N 34° 12' 41.71" W 97° 10' 5.62" E 6	H	936.8	116.70	ADM	Used
		Restriction:	Bearing [True]: 322.0° to 332.0° Bearing [Mag]: 316.0° to 326.0°		Distance: Beyond 0.0 NM Altitude: Below 4000.0 Ft.		
		ESV:	Bearing [True]: 207.0° to 286.0° Bearing [Mag]: 201.0° to 280.0°		Arc Distance: Out to 100.0 NM Altitude: 8000.0 to 20000.0 Ft.		

DME/DME (Continued.)					Return To Summary		
User DMEs (Continued.)							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [Ft]	Frequency	Replaces:	Status
11	HBR	N 34° 51' 59.60" W 99° 3' 48.19" E 10	L	1471.9	111.80	HBR	Used
Restriction:		Bearing [True]: 90.0° to 100.0° Bearing [Mag]: 80.0° to 90.0°			Distance: Beyond 25.0 NM Altitude: Below 4500.0 Ft.		
Restriction:		Bearing [True]: 110.0° to 122.0° Bearing [Mag]: 100.0° to 112.0°			Distance: Beyond 25.0 NM Altitude: Below 4500.0 Ft.		
Restriction:		Bearing [True]: 250.0° to 280.0° Bearing [Mag]: 240.0° to 270.0°			Distance: Beyond 25.0 NM Altitude: Below 4500.0 Ft.		
ESV:		Bearing [True]: 153.0° to 221.0° Bearing [Mag]: 143.0° to 211.0°			Arc Distance: Out to 71.0 NM Altitude: 9900.0 to 20000.0 Ft.		
12	BFV	N 35° 14' 13.00" W 99° 12' 22.20" E 8	L	1780.0	110.00	BFV	Used
ESV:		Bearing [True]: 157.0° to 201.0° Bearing [Mag]: 149.0° to 193.0°			Arc Distance: Out to 89.0 NM Altitude: 9900.0 to 20000.0 Ft.		
13	SYO	N 35° 20' 42.58" W 99° 38' 7.25" E 10	L	1990.0	115.20	SYO	Used
Restriction:		Bearing [True]: 66.0° to 96.0° Bearing [Mag]: 56.0° to 86.0°			Distance: Beyond 15.0 NM Altitude: Below 6000.0 Ft.		
ESV:		Bearing [True]: 182.0° to 225.0° Bearing [Mag]: 172.0° to 215.0°			Arc Distance: Out to 90.0 NM Altitude: 10000.0 to 20000.0 Ft.		
14	PVW	N 34° 5' 10.29" W 101° 47' 24.67" E 11	L	3400.0	112.90	PVW	Not Used
ESV:		Bearing [True]: 65.0° to 89.0° Bearing [Mag]: 54.0° to 78.0°			Arc Distance: Out to 65.0 NM Altitude: 10000.0 to 22000.0 Ft.		
15	LBB	N 33° 42' 17.82" W 101° 54' 50.44" E 11	L	3310.0	109.20	LBB	Used
ESV:		Bearing [True]: 46.0° to 63.0° Bearing [Mag]: 35.0° to 52.0°			Arc Distance: Out to 65.0 NM Altitude: 9900.0 to 22000.0 Ft.		
16	GTH	N 33° 46' 41.80" W 100° 20' 10.31" E 10	L	1940.0	114.50	GTH	Used
ESV:		Bearing [True]: 305.0° to 324.0° Bearing [Mag]: 295.0° to 314.0°			Arc Distance: Out to 51.0 NM Altitude: 9900.0 to 20000.0 Ft.		
17	SPS	N 33° 59' 14.23" W 98° 35' 36.50" E 10	H	1133.1	112.70	SPS	Used
ESV:		Bearing [True]: 258.0° to 274.0° Bearing [Mag]: 248.0° to 264.0°			Arc Distance: Out to 89.0 NM Altitude: 9900.0 to 16000.0 Ft.		

DME/DME (Continued.)					Return To Summary		
User DMEs (Continued.)							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [Ft]	Frequency	Replaces:	Status
18	MQP	N 32° 43' 34.25" W 97° 59' 50.79" E 9	H	900.0	117.70	MQP	Used
		ESV:	Bearing [True]: 0.0° to 20.0° Bearing [Mag]: 351.0° to 11.0°		Arc Distance: Out to 45.0 NM Altitude: 4000.0 to 16000.0 Ft.		
		ESV:	Bearing [True]: 308.0° to 333.0° Bearing [Mag]: 299.0° to 324.0°		Arc Distance: Out to 100.0 NM Altitude: 10000.0 to 20000.0 Ft.		

DMEs Relative to Waypoints		Return To Summary
Waypoint Before	Waypoint After	DME List
TURKI	FLOWN	BFV CDS GTH HBR LBB PVW SPS SYO
FLOWN	KRYZZ	ADM BFV DUC HBR MQP SPS
KRYZZ	WURDZ	ADM DUC MQP SPS
WURDZ	GREKE	ADM CVE DUC MQP SPS TTT UKW
GREKE	MOTZA	ADM CVE FUZ MQP TTT UKW
MOTZA	WESAT	CVE FUZ MQP TTT UKW