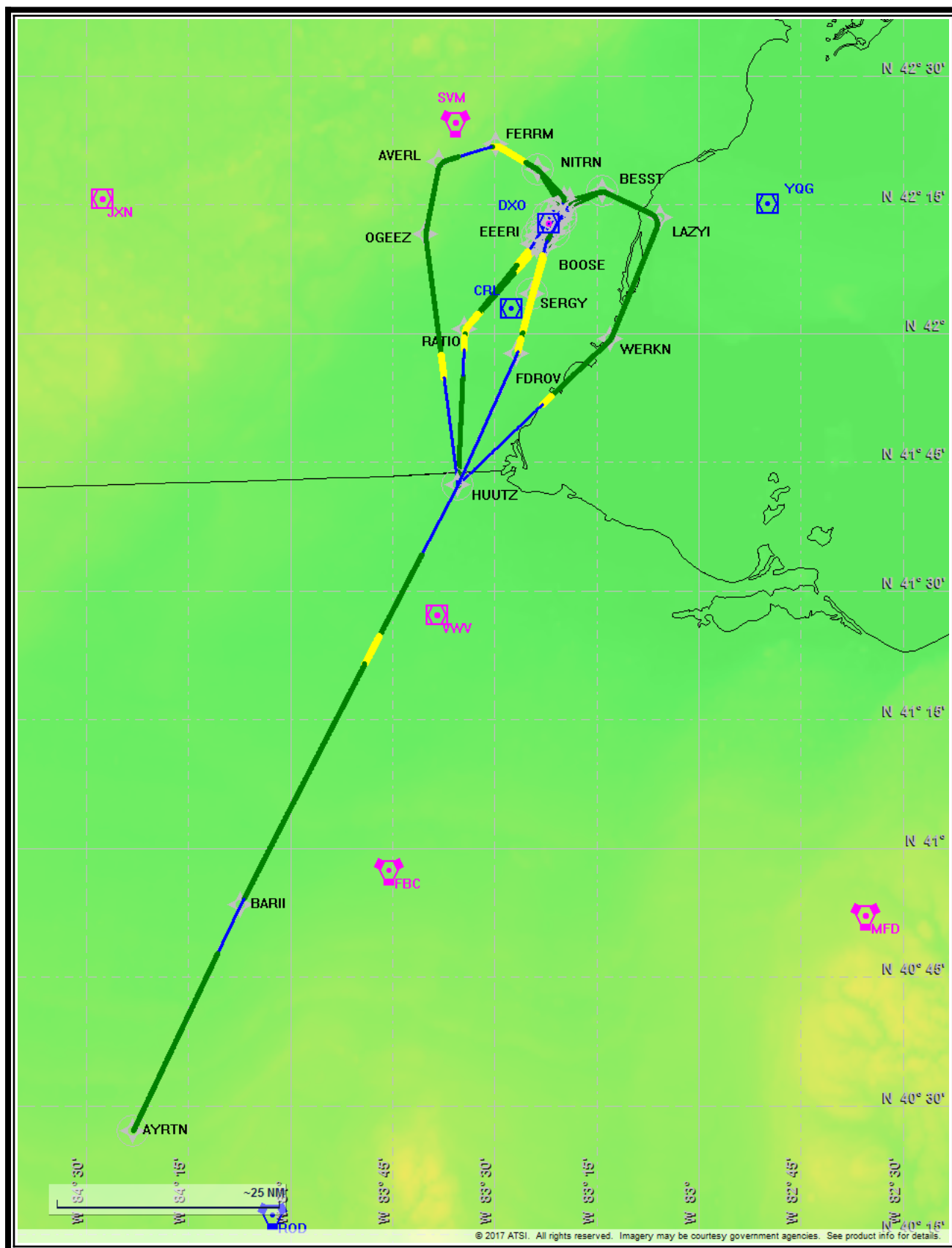


**Name:** Brent Comeaux  
**Project Name:** KDTW BARI1  
**Output File:** KDTW BARI1 SID RW03L HUUTZ 20171026\_0829  
**Procedure Name:** BARI1  
**Software:** RNAV-Pro™  
**Version:** 2.39  
**Date/Time:** 10/26/2017 8:34:17 AM  
**Input File:** [KDTW BARI1 SID RW03L HUUTZ 20170720\\_1115.txt](#)  
**Databases:** AIRNAV Date: 9/17/2017  
CIFP Date: 7/20/2017  
DTED® (MAX) Date: 2002

## Results Summary:

<b>Flyability</b>	✓	Please Check <b>Flyability</b> Results
<b>DME/DME</b>	✓	No Critical DMEs Exist
<b>Radars</b>	?	
<b>Comms</b>	?	
<b>TERPS</b>	?	

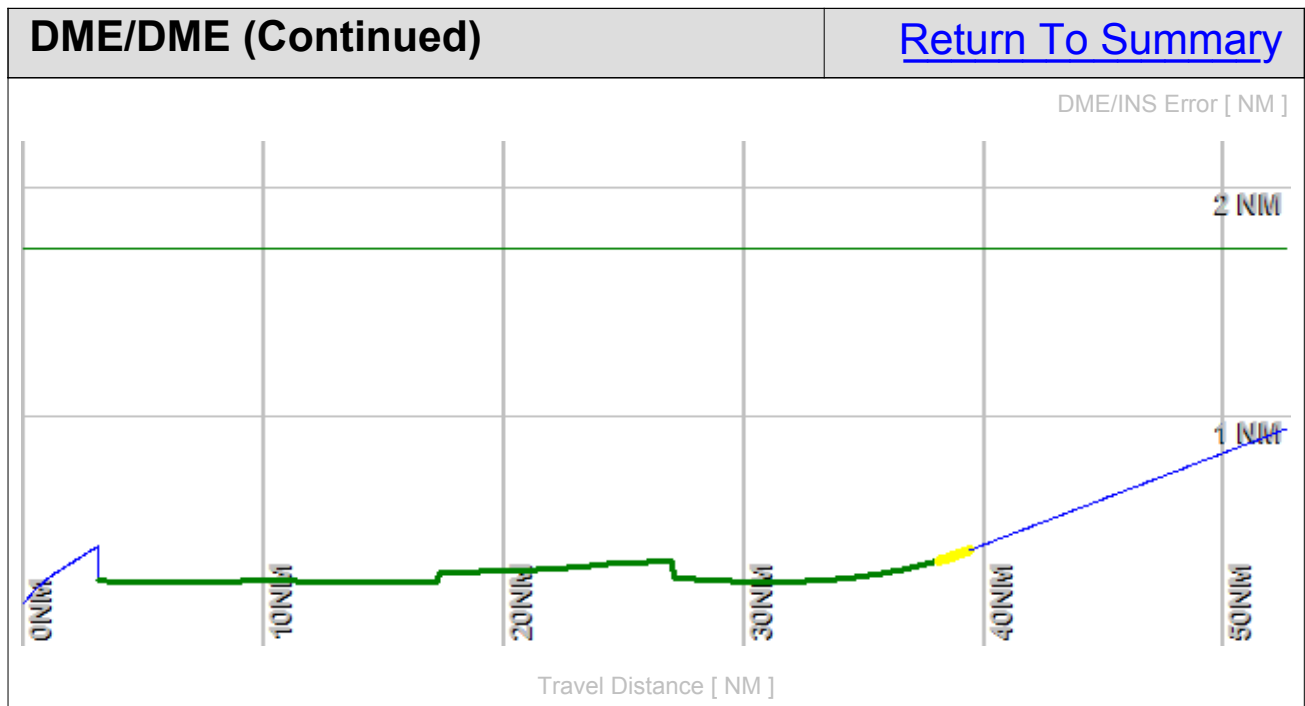


Flight Plan					<a href="#">Return To Summary</a>		
Name	Type	Lat/Lon	Alt [ft]	VNAV Mode	IAS [Kts]	Turn Type	Leg Type
RW03L(...	WP	N 42° 12' 28.21" W 83° 21' 4.39"	635.9	VNAV	0.0	Fly By	TF
RW21R(...	WP	N 42° 13' 41.85" W 83° 20' 10.12"	666.6	VNAV	130.0	Fly Over	VI
GH03L:	WP	N 42° 15' 27.45" W 83° 18' 52.22"	1667.2	VNAV	145.0	Fly By	CF - 72.5°
BESST	WP	N 42° 16' 34.34" W 83° 14' 6.10"	2410.3	VNAV	145.0	Fly By	TF
LAZYI	WP	N 42° 13' 25.22" W 83° 5' 32.82"	3828.6	VNAV	145.0	Fly By	TF
WERKN	WP	N 41° 59' 20.13" W 83° 12' 54.75"	4000.0	VNAV	145.0	Fly By	TF
HUUTZ	WP	N 41° 42' 18.64" W 83° 35' 23.75"	4000.0	VNAV	145.0	Fly Over	TF
Climb Gradient: 500.0 ft/NM up to 1160.0 ft MSL							

Flyability		<a href="#">Return To Summary</a>
Settings:	<b>Flight Type:</b> Runway Departure	
	<b>Selected Airport:</b> KDTW	
	<b>Aircraft Category:</b> Cat D	
	<b>Climb Gradient:</b> 500.0 ft/NM up to 1160.0 ft MSL	
	<b>Ground Speeds:</b>	
	Departure: <b>120.0 Kts</b> out to <b>10.0 NM</b>	
	Table:	
	<b>200.0 Kts</b> up to <b>11000.0 ft</b>	
	<b>240.0 Kts</b> up to <b>18000.0 ft</b>	
	<b>260.0 Kts</b> up to <b>24000.0 ft</b>	
	<b>340.0 Kts</b> up to <b>99900.0 ft</b>	
	<b>Wind Settings:</b> <i>None assigned</i>	
	<b>Descent During a Turn:</b> Allowed	
	<b>VNAV Mode:</b> Flight Plan	
Required IAS at Fly-By WP LAZYI could not be reached with given A/C acceleration performance.		
Flight Track comes into contact with terrain. Minimum AGL along route was -51.26 Ft.		
Flight Track contacted terrain (DTED 0 MAX) between AER and DER or within 2/3 NM of DER.		



DME/DME	<a href="#">Return To Summary</a>
<b>Settings:</b>	<p> <b>RNP:</b> 2.0  <b>Flight Mode:</b> Manual  <b>Line of Sight (DTED Level 0 Max):</b> Evaluated  <b>DME Restrictions:</b> Evaluated  <b>Inertial Drift:</b> Enabled              <b>Initial Drift:</b> 0.165 NM              <b>INS Drift Rate:</b> 8.000 NM/Hour  <b>Range Mode:</b> OSV  <b>Co-Frequencies:</b> Evaluated  <b>RNP Edges:</b> Evaluated  <b>Min DME Range:</b> 3.0 NM  <b>Allowed Gap Length:</b> 4.0 NM  <b>DME Types:</b> VOR/DME, VORTAC, Standalone, and User  <b>DME Include Angles:</b> 30 to 150  <b>Critical DMEs:</b> Allowed  <b>DoD Facilities:</b> Not included  <b>Foreign Facilities:</b> Not included  <b>Low DMEs:</b> Included  <b>Terminal DMEs:</b> Included  <b>Flight Check DMEs:</b> Selected  <b>Higher Altitudes:</b> Evaluated  <b>Near Maximum Altitude:</b> Evaluated  <b>Minimum MSL DMEs Avail:</b> 1504 ft         </p>
<p> <b>Total Number of DMEs Used:</b> 5  <b>Maximum DME Error:</b> 0.948 NM.  <b>No Critical DMEs were found.</b>  <b>Available DMEs:</b> CRL, SVM, DXO, PSI, VWV  <b>Disabled DMEs:</b> LAN, ELX, GIJ, PMM, MKG, HIC, PLN, MNM, CTW, JFN, TVT, BDF, DNV, EON, PLL, PNT, RBS, SAM, UIN, VLA, BVT, GSH, ECB, EWO, FLM, YRK, BRD, DWN, HML, ODI, RST, CMK, DNY, GFL, GGT, HNK, HUO, LGA, HTO, MSS, PWL, RKA, SLK, UCA, ULW, CRI, AGC, BFD, CIP, ETG, FJC, FQM, IHD, LVZ, MIP, MXE, REC, SFK, SLT, TDT, THS, AUW, JVL, LNR, STE, CKB, ESL, HNN, and GRV  <b>Foreign DMEs within range:</b> YEE, YQG, YQO, YVV, YWT, YXU, YYZ         </p>	



DME/DME (Continued)						<a href="#">Return To Summary</a>			
DMEs Used									
#	Name	Lat/Lon/MAGVAR	Range	Source	Critical	Err. [NM]	Status	Time	Distance
1	SVM	N 42° 24' 31.09" W 83° 35' 38.05" 03 W	L + <a href="#">ESV</a>	User	NO	0.954	Enabled	21.2%	20.7%
2	CRL	N 42° 2' 52.90" W 83° 27' 27.30" 03 W	H	Database	NO	0.955	Enabled	59.2%	62.6%
3	DXO	N 42° 12' 47.29" W 83° 22' 0.00" 06 W	H + <a href="#">ESV</a>	User	NO	0.948	Enabled	12.7%	10.9%
4	PSI	N 42° 42' 3.09" W 83° 31' 57.98" 03 W	L	Database	NO	0.948	Enabled	23.2%	20.2%
5	VWV	N 41° 27' 5.35" W 83° 38' 19.30" 02 W	L + <a href="#">ESV</a>	User	NO	1.250	Enabled	19.8%	23.5%
	Total Coverage							68.1%	69.0%
Flight Check DME Selection									
Distance [NM]		Selected DMEs						Alternate	
0.0									
1.4		SVM	CRL						
3.2		SVM	CRL	PSI	DXO				
6.8		SVM	CRL	PSI	DXO				
12.8		SVM	CRL	VWV	PSI	DXO			
28.2		SVM	CRL	VWV	DXO				
Inertial Drift Segments									
#	Start Location			End Location				Length [NM]	

Available DMEs by Waypoints		<a href="#">Return To Summary</a>
Waypoint Before	Waypoint After	DME List
RW03L(AER)	RW21R(DER)	
RW21R(DER)	GH03L:	SVM and CRL
GH03L:	BESST	SVM, DXO, CRL, and PSI
BESST	LAZYI	SVM, DXO, CRL, and PSI
LAZYI	WERKN	SVM, VWV, DXO, CRL, and PSI
WERKN	HUUTZ	SVM, VWV, DXO, and CRL

User Data					<a href="#">Return To Summary</a>		
User Data Files							
#	File Name						
1	BARI1 New2.udt						
User DMEs							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	LAN	N 42° 43' 2.62" W 84° 41' 51.03" 05 W	L	887.4	110.80	LAN	Disabled
2	LFD	N 42° 3' 44.96" W 84° 45' 54.48" 05 W	L	1040.0	111.20	LFD	Not Used
Restriction:		Bearing [True]: 105.0° to 160.0° Bearing [Mag]: 110.0° to 165.0°			Distance: Beyond 35.0 NM Altitude: Below 3000.0 ft		
ESV:		Bearing [True]: 95.0° to 132.0° Bearing [Mag]: 100.0° to 137.0°			Arc Distance: Out to 70.0 NM Altitude: 5000.0 to 16000.0 ft		
3	ELX	N 42° 8' 39.88" W 86° 7' 21.74" 00 E	L	793.7	116.60	ELX	Disabled
4	GIJ	N 41° 46' 7.00" W 86° 19' 6.42" 00 E	H	802.7	115.40	GIJ	Disabled
Restriction:		Bearing [True]: 360.0° to 360.0° Bearing [Mag]: 360.0° to 360.0°			Distance: Beyond 35.0 NM Altitude: Below 3500.0 ft		
5	PMM	N 42° 27' 57.73" W 86° 6' 17.32" 00 E	H	639.9	112.10	PMM	Disabled
Restriction:		Bearing [True]: 360.0° to 360.0° Bearing [Mag]: 360.0° to 360.0°			Distance: Beyond 35.0 NM Altitude: Below 3000.0 ft		
6	MKG	N 43° 10' 9.31" W 86° 2' 21.76" 01 W	L	659.1	115.20	MKG	Disabled
Restriction:		Bearing [True]: 54.0° to 89.0° Bearing [Mag]: 55.0° to 90.0°			Distance: Beyond 10.0 NM Altitude: Below 4000.0 ft		
7	HIC	N 43° 34' 29.47" W 85° 42' 58.18" 01 W	L	920.0	117.60	HIC	Disabled
Restriction:		Bearing [True]: 19.0° to 89.0° Bearing [Mag]: 20.0° to 90.0°			Distance: Beyond 30.0 NM Altitude: Below 3000.0 ft		
Restriction:		Bearing [True]: 269.0° to 289.0° Bearing [Mag]: 270.0° to 290.0°			Distance: Beyond 35.0 NM Altitude: Below 3000.0 ft		
8	PLN	N 45° 37' 50.33" W 84° 39' 50.79" 06 W	L	835.3	111.80	PLN	Disabled
9	MNM	N 45° 10' 48.58" W 87° 38' 49.83" 00 E	L	650.1	109.60	MNM	Disabled
10	CTW	N 40° 13' 45.15" W 81° 28' 35.32" 07 W	L	1180.0	111.80	CTW	Disabled

User Data (Continued)					<a href="#">Return To Summary</a>		
User DMEs (Continued)							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
11	JFN	N 41° 45' 36.42" W 80° 44' 53.20" 05 W	L	896.3	115.20	JFN	Disabled
Restriction:		Bearing [True]: 226.0° to 255.0° Bearing [Mag]: 231.0° to 260.0°			Distance: Beyond 30.0 NM Altitude: Below 3500.0 ft		
Restriction:		Bearing [True]: 121.0° to 185.0° Bearing [Mag]: 126.0° to 190.0°			Distance: Beyond 20.0 NM Altitude: Below 3500.0 ft		
Restriction:		Bearing [True]: 186.0° to 225.0° Bearing [Mag]: 191.0° to 230.0°			Distance: Beyond 0.0 NM Altitude: Below 99999.0 ft		
Restriction:		Bearing [True]: 80.0° to 120.0° Bearing [Mag]: 85.0° to 125.0°			Distance: Beyond 35.0 NM Altitude: Below 3500.0 ft		
12	TVT	N 40° 27' 29.04" W 82° 7' 36.52" 03 W	L	1330.4	116.50	TVT	Disabled
13	BDF	N 41° 9' 35.03" W 89° 35' 16.34" 00 E	H	810.0	114.70	BDF	Disabled
14	DNV	N 40° 17' 37.56" W 87° 33' 26.14" 02 E	L	698.8	111.00	DNV	Disabled
15	EON	N 41° 16' 10.68" W 87° 47' 27.79" 02 E	L	688.7	113.20	EON	Disabled
16	PLL	N 41° 57' 56.31" W 89° 31' 27.19" 03 E	L	840.0	111.20	PLL	Disabled
17	PNT	N 40° 49' 16.32" W 88° 44' 0.63" 03 E	L	680.0	109.60	PNT	Disabled
18	RBS	N 40° 34' 54.13" W 88° 9' 51.36" 02 E	L	780.0	116.80	RBS	Disabled
19	SAM	N 38° 29' 6.68" W 88° 5' 8.90" 03 E	L	540.0	116.60	SAM	Disabled
20	UIN	N 39° 50' 52.35" W 91° 16' 44.13" 05 E	H	715.1	113.60	UIN	Disabled
21	VLA	N 39° 5' 37.82" W 89° 9' 44.08" 04 E	L	605.5	114.30	VLA	Disabled
22	BVT	N 40° 33' 22.22" W 87° 4' 9.75" 01 E	H	752.2	115.10	BVT	Disabled
Restriction:		Bearing [True]: 299.0° to 45.0° Bearing [Mag]: 298.0° to 44.0°			Distance: Beyond 0.0 NM Altitude: Below 2800.0 ft		

User Data (Continued)					<a href="#">Return To Summary</a>		
User DMEs (Continued)							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
23	GSH	N 41° 31' 30.56" W 86° 1' 40.63" 00 E	H	851.8	113.70	GSH	Disabled
Restriction:		Bearing [True]: 71.0° to 129.0° Bearing [Mag]: 71.0° to 129.0°			Distance: Beyond 0.0 NM Altitude: Below 99999.0 ft		
24	ECB	N 38° 9' 30.11" W 82° 54' 36.20" 02 W	L	1070.0	110.40	ECB	Disabled
25	EWO	N 37° 37' 54.52" W 85° 40' 33.16" 01 E	L	960.0	110.80	EWO	Disabled
26	FLM	N 38° 38' 57.99" W 84° 18' 38.17" 04 W	H	808.5	117.00	FLM	Disabled
27	YRK	N 38° 38' 38.88" W 82° 58' 42.02" 05 W	L	1040.0	112.80	YRK	Disabled
28	BRD	N 46° 20' 53.81" W 94° 1' 33.54" 03 E	H	1253.9	116.90	BRD	Disabled
Restriction:		Bearing [True]: 3.0° to 3.0° Bearing [Mag]: 360.0° to 360.0°			Distance: Beyond 29.0 NM Altitude: Below 3000.0 ft		
29	DWN	N 45° 5' 14.87" W 94° 27' 13.86" 07 E	L	1130.0	109.00	DWN	Disabled
30	HML	N 48° 52' 9.07" W 97° 7' 4.45" 09 E	H	797.4	112.40	HML	Disabled
Restriction:		Bearing [True]: 84.0° to 94.0° Bearing [Mag]: 75.0° to 85.0°			Distance: Beyond 0.0 NM Altitude: Below 10000.0 ft		
Restriction:		Bearing [True]: 95.0° to 263.0° Bearing [Mag]: 86.0° to 254.0°			Distance: Beyond 35.0 NM Altitude: Below 3000.0 ft		
Restriction:		Bearing [True]: 264.0° to 279.0° Bearing [Mag]: 255.0° to 270.0°			Distance: Beyond 0.0 NM Altitude: Below 99999.0 ft		
Restriction:		Bearing [True]: 280.0° to 83.0° Bearing [Mag]: 271.0° to 74.0°			Distance: Beyond 35.0 NM Altitude: Below 3000.0 ft		
31	ODI	N 43° 54' 44.38" W 91° 28' 3.06" 01 E	H	1282.2	117.90	ODI	Disabled
32	RST	N 43° 46' 58.45" W 92° 35' 49.06" 05 E	L	1393.0	112.00	RST	Disabled
33	CMK	N 41° 16' 48.32" W 73° 34' 52.77" 12 W	L	693.8	116.60	CMK	Disabled
34	DNY	N 42° 10' 41.81" W 74° 57' 24.99" 11 W	L	2560.0	112.10	DNY	Disabled

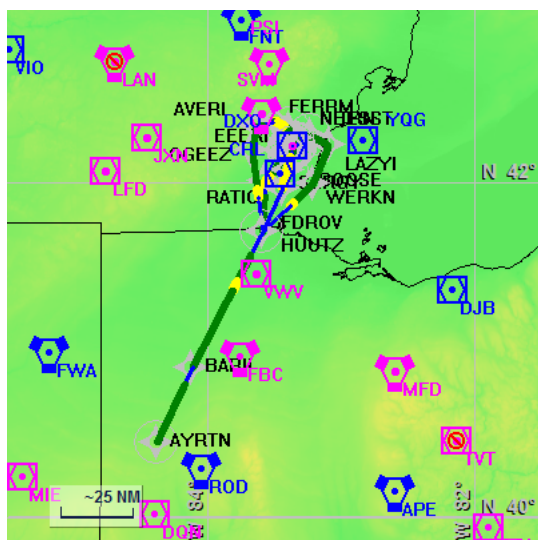
User Data (Continued)					<a href="#">Return To Summary</a>		
User DMEs (Continued)							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
35	GFL	N 43° 20' 30.09" W 73° 36' 42.32" 14 W	L	323.7	110.20	GFL	Disabled
Restriction:		Bearing [True]: 346.0° to 346.0° Bearing [Mag]: 360.0° to 360.0°			Distance: Beyond 0.0 NM Altitude: Below 9000.0 ft		
36	GGT	N 42° 47' 20.24" W 75° 49' 36.29" 11 W	L	2040.0	117.80	GGT	Disabled
37	HNK	N 42° 3' 47.00" W 75° 18' 58.62" 11 W	H	2070.0	116.80	HNK	Disabled
38	HUO	N 41° 24' 34.87" W 74° 35' 29.74" 11 W	H	1300.3	116.10	HUO	Disabled
39	LGA	N 40° 47' 1.38" W 73° 52' 6.96" 12 W	L	8.9	113.10	LGA	Disabled
Restriction:		Bearing [True]: 233.0° to 268.0° Bearing [Mag]: 245.0° to 280.0°			Distance: Beyond 25.0 NM Altitude: Below 6000.0 ft		
40	HTO	N 40° 55' 8.38" W 72° 19' 0.14" 13 W	H	22.0	113.60	HTO	Disabled
Restriction:		Bearing [True]: 267.0° to 312.0° Bearing [Mag]: 280.0° to 325.0°			Distance: Beyond 35.0 NM Altitude: Below 1700.0 ft		
Restriction:		Bearing [True]: 312.0° to 342.0° Bearing [Mag]: 325.0° to 355.0°			Distance: Beyond 30.0 NM Altitude: Below 2000.0 ft		
41	MSS	N 44° 54' 51.92" W 74° 43' 21.78" 14 W	H	197.5	114.10	MSS	Disabled
42	PWL	N 41° 46' 11.18" W 73° 36' 1.99" 12 W	L	1250.0	114.30	PWL	Disabled
43	RKA	N 42° 27' 58.91" W 75° 14' 21.51" 11 W	L	2027.2	112.60	RKA	Disabled
44	SLK	N 44° 23' 4.41" W 74° 12' 16.21" 14 W	L	1646.8	109.20	SLK	Disabled
45	UCA	N 43° 1' 35.45" W 75° 9' 52.28" 12 W	L	1420.0	111.20	UCA	Disabled
46	ULW	N 42° 5' 39.16" W 77° 1' 28.53" 12 W	L	1631.8	109.65	ULW	Disabled
47	CRI	N 40° 36' 44.90" W 73° 53' 40.00" 11 W	T	10.0	112.30	CRI	Disabled



User Data (Continued)					<a href="#">Return To Summary</a>		
User DMEs (Continued)							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
48	AGC	N 40° 16' 43.12" W 80° 2' 27.08" 09 W	L	1284.6	110.00	AGC	Disabled
49	BFD	N 41° 47' 10.99" W 78° 37' 9.65" 07 W	L	2110.6	116.60	BFD	Disabled
50	CIP	N 41° 8' 46.66" W 79° 27' 28.71" 06 W	L	1519.5	112.90	CIP	Disabled
51	ETG	N 41° 12' 53.82" W 78° 8' 33.92" 10 W	H	2250.0	116.00	ETG	Disabled
52	FJC	N 40° 43' 36.12" W 75° 27' 17.12" 10 W	L	680.6	117.50	FJC	Disabled
Restriction:		Bearing [True]: 290.0° to 50.0° Bearing [Mag]: 300.0° to 60.0°			Distance: Beyond 26.0 NM Altitude: Below 4500.0 ft		
Restriction:		Bearing [True]: 51.0° to 289.0° Bearing [Mag]: 61.0° to 299.0°			Distance: Beyond 30.0 NM Altitude: Below 4000.0 ft		
53	FQM	N 41° 20' 18.81" W 76° 46' 29.52" 09 W	L	2098.0	114.40	FQM	Disabled
54	IHD	N 39° 58' 27.27" W 79° 21' 30.12" 06 W	L	2820.0	108.20	IHD	Disabled
55	LVZ	N 41° 16' 22.09" W 75° 41' 22.08" 10 W	L	2118.8	111.60	LVZ	Disabled
56	MIP	N 41° 1' 24.21" W 76° 39' 55.04" 09 W	L	1000.0	109.20	MIP	Disabled
57	MXE	N 39° 55' 5.00" W 75° 40' 14.91" 09 W	L	473.4	113.20	MXE	Disabled
58	REC	N 40° 32' 47.25" W 78° 44' 49.28" 09 W	L	2340.0	110.60	REC	Disabled
59	SFK	N 41° 41' 42.91" W 77° 25' 11.66" 08 W	L	1984.7	108.60	SFK	Disabled
60	SLT	N 41° 30' 45.93" W 77° 58' 12.39" 08 W	H	2310.0	113.90	SLT	Disabled

User Data (Continued)					<a href="#">Return To Summary</a>		
User DMEs (Continued)							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
61	TDT	N 41° 42' 46.91" W 79° 25' 2.17" 09 W	L	1710.0	117.60	TDT	Disabled
Restriction:		Bearing [True]: 32.0° to 42.0° Bearing [Mag]: 41.0° to 51.0°			Distance: Beyond 30.0 NM Altitude: Below 4000.0 ft		
Restriction:		Bearing [True]: 296.0° to 331.0° Bearing [Mag]: 305.0° to 340.0°			Distance: Beyond 24.0 NM Altitude: Below 3500.0 ft		
Restriction:		Bearing [True]: 331.0° to 356.0° Bearing [Mag]: 340.0° to 5.0°			Distance: Beyond 24.0 NM Altitude: Below 5000.0 ft		
62	THS	N 39° 55' 59.62" W 77° 57' 3.40" 07 W	L	2338.0	115.00	THS	Disabled
63	AUW	N 44° 50' 48.40" W 89° 35' 11.68" 02 E	L	1204.7	111.60	AUW	Disabled
Restriction:		Bearing [True]: 322.0° to 302.0° Bearing [Mag]: 320.0° to 300.0°			Distance: Beyond 30.0 NM Altitude: Below 3000.0 ft		
Restriction:		Bearing [True]: 302.0° to 322.0° Bearing [Mag]: 300.0° to 320.0°			Distance: Beyond 30.0 NM Altitude: Below 4000.0 ft		
64	JVL	N 42° 33' 28.83" W 89° 6' 18.93" 03 E	L	931.4	114.30	JVL	Disabled
65	LNR	N 43° 17' 39.85" W 90° 7' 59.33" 00 E	L	1184.6	112.80	LNR	Disabled
66	STE	N 44° 32' 35.69" W 89° 31' 50.02" 01 W	L	1110.0	110.60	STE	Disabled
Restriction:		Bearing [True]: 359.0° to 359.0° Bearing [Mag]: 360.0° to 360.0°			Distance: Beyond 35.0 NM Altitude: Below 3000.0 ft		
67	CKB	N 39° 15' 11.57" W 80° 16' 4.32" 04 W	L	1425.7	112.60	CKB	Disabled
68	ESL	N 39° 13' 31.77" W 78° 59' 22.20" 06 W	L	2590.0	110.80	ESL	Disabled
69	HNN	N 38° 45' 14.85" W 82° 1' 34.20" 03 W	H	880.0	115.90	HNN	Disabled
70	GRV	N 39° 38' 6.11" W 79° 3' 1.90" 06 W	L	2640.0	112.30	GRV	Disabled
Restriction:		Bearing [True]: 301.0° to 64.0° Bearing [Mag]: 307.0° to 70.0°			Distance: Beyond 20.0 NM Altitude: Below 5000.0 ft		
Restriction:		Bearing [True]: 65.0° to 300.0° Bearing [Mag]: 71.0° to 306.0°			Distance: Beyond 20.0 NM Altitude: Below 6000.0 ft		
Restriction:		Bearing [True]: 102.0° to 107.0° Bearing [Mag]: 108.0° to 113.0°			Distance: Beyond 38.0 NM Altitude: Below 99999.0 ft		
Restriction:		Bearing [True]: 319.0° to 339.0° Bearing [Mag]: 325.0° to 345.0°			Distance: Beyond 35.0 NM Altitude: Below 99999.0 ft		

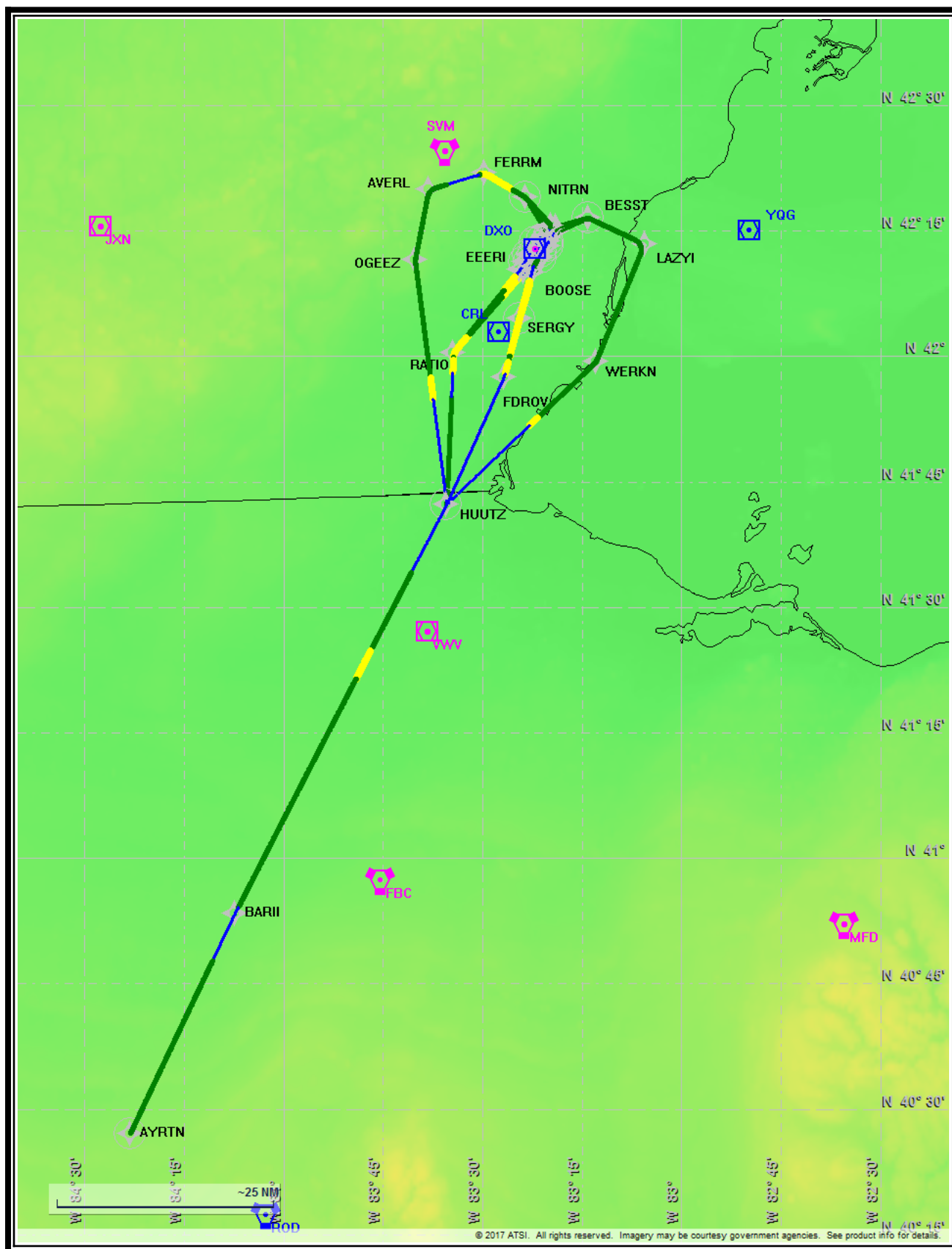
User Data (Continued)					<a href="#">Return To Summary</a>		
User DMEs (Continued)							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
71	DXO	N 42° 12' 47.29" W 83° 22' 0.00" 06 W	H	637.7	113.40	DXO	Used
Restriction:		Bearing [True]: 354.0° to 354.0° Bearing [Mag]: 360.0° to 360.0°			Distance: Beyond 30.0 NM Altitude: Below 2900.0 ft		
ESV:		Bearing [True]: 192.0° to 208.0° Bearing [Mag]: 198.0° to 214.0°			Arc Distance: Out to 50.0 NM Altitude: 5000.0 to 16000.0 ft		
72	JXN	N 42° 15' 33.27" W 84° 27' 30.77" 05 W	L	995.2	109.60	JXN	Not Used
Restriction:		Bearing [True]: 70.0° to 250.0° Bearing [Mag]: 75.0° to 255.0°			Distance: Beyond 10.0 NM Altitude: Below 3000.0 ft		
ESV:		Bearing [True]: 110.0° to 154.0° Bearing [Mag]: 115.0° to 159.0°			Arc Distance: Out to 63.0 NM Altitude: 8000.0 to 20000.0 ft		
ESV:		Bearing [True]: 150.0° to 213.0° Bearing [Mag]: 155.0° to 218.0°			Arc Distance: Out to 85.0 NM Altitude: 7800.0 to 20000.0 ft		
73	MFD	N 40° 52' 7.00" W 82° 35' 27.46" 03 W	L	1222.0	108.80	MFD	Not Used
Restriction:		Bearing [True]: 72.0° to 92.0° Bearing [Mag]: 75.0° to 95.0°			Distance: Beyond 0.0 NM Altitude: Below 99999.0 ft		
Restriction:		Bearing [True]: 148.0° to 211.0° Bearing [Mag]: 151.0° to 214.0°			Distance: Beyond 30.0 NM Altitude: Below 99999.0 ft		
ESV:		Bearing [True]: 297.0° to 314.0° Bearing [Mag]: 300.0° to 317.0°			Arc Distance: Out to 69.0 NM Altitude: 5300.0 to 20000.0 ft		
74	VWV	N 41° 27' 5.35" W 83° 38' 19.30" 02 W	L	664.2	113.10	VWV	Used
ESV:		Bearing [True]: 7.0° to 32.0° Bearing [Mag]: 9.0° to 34.0°			Arc Distance: Out to 47.0 NM Altitude: 2000.0 to 20000.0 ft		
75	SVM	N 42° 24' 31.09" W 83° 35' 38.05" 03 W	L	955.8	114.30	SVM	Used
ESV:		Bearing [True]: 171.0° to 192.0° Bearing [Mag]: 174.0° to 195.0°			Arc Distance: Out to 55.0 NM Altitude: 3900.0 to 20000.0 ft		



**Name:** Brent Comeaux  
**Project Name:** KDTW BARI1  
**Output File:** KDTW BARI1 SID RW03R  
BESST 20171026\_0829  
**Procedure Name:** BARI1  
**Software:** RNAV-Pro™  
**Version:** 2.39  
**Date/Time:** 10/26/2017 8:30:19 AM  
**Input File:** [KDTW BARI1 SID RW03R  
BESST 20170829\\_1503.txt](#)  
**Databases:** AIRNAV Date: 9/17/2017  
CIFP Date: 7/20/2017  
DTED® (MAX) Date: 2002

## Results Summary:

<b>Flyability</b>	✓	<b>Please Check <span style="color: green;">Flyability</span> Results</b>
<b>DME/DME</b>	✓	No Critical DMEs Exist
<b>Radars</b>	?	
<b>Comms</b>	?	
<b>TERPS</b>	?	

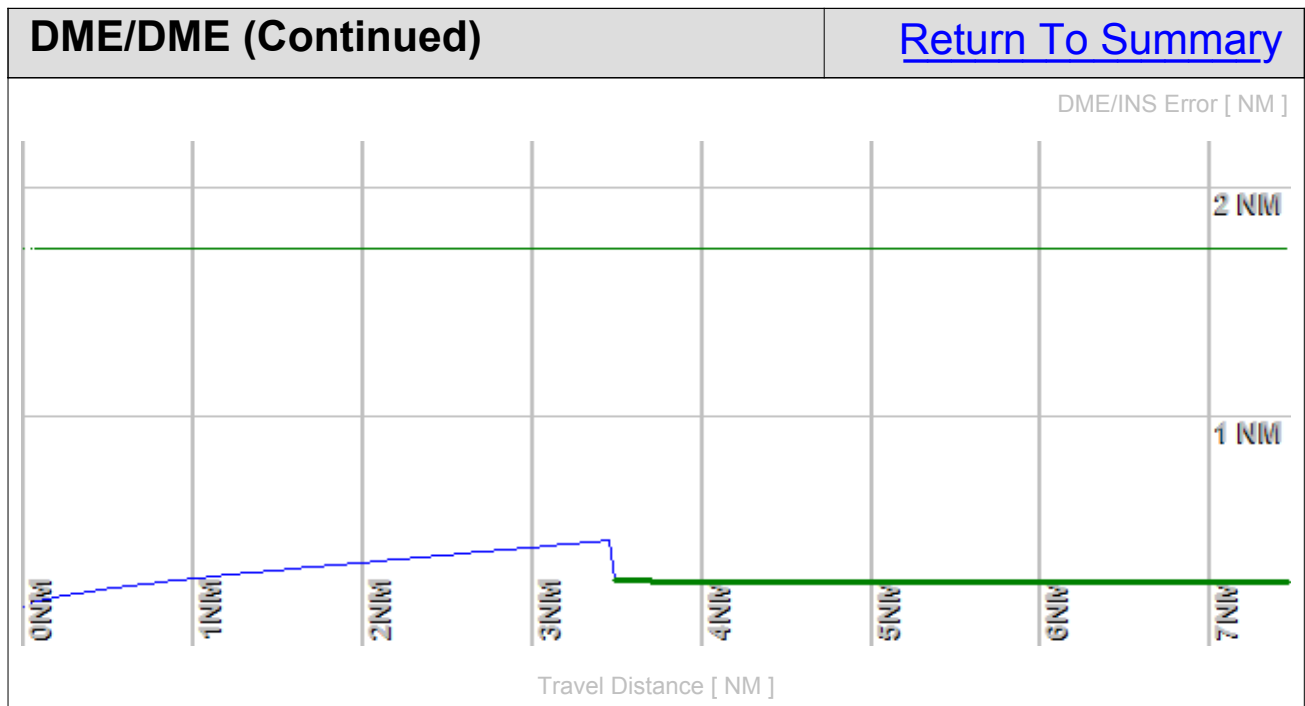


Flight Plan					<a href="#">Return To Summary</a>		
Name	Type	Lat/Lon	Alt [ft]	VNAV Mode	IAS [Kts]	Turn Type	Leg Type
RW03R(...	WP	N 42° 11' 44.21" W 83° 21' 6.49"	633.0	VNAV	0.0	Fly By	TF
RW21L(...	WP	N 42° 13' 10.86" W 83° 20' 2.65"	667.1	VNAV	130.0	Fly Over	VI
GH03R:	WP	N 42° 14' 56.37" W 83° 18' 44.83"	1666.4	VNAV	145.0	Fly By	CF - 64.6°
BESST	WP	N 42° 16' 34.34" W 83° 14' 6.10"	2430.6	VNAV	145.0	Fly Over	TF
Climb Gradient: 500.0 ft/NM up to 1100.0 ft MSL							

Flyability		<a href="#">Return To Summary</a>
Settings:	<b>Flight Type:</b> Runway Departure <b>Selected Airport:</b> KDTW <b>Aircraft Category:</b> Cat D <b>Climb Gradient:</b> 500.0 ft/NM up to 1100.0 ft MSL <b>Ground Speeds:</b> Departure: <b>120.0 Kts</b> out to <b>10.0 NM</b> Table: <b>200.0 Kts</b> up to <b>11000.0 ft</b> <b>240.0 Kts</b> up to <b>18000.0 ft</b> <b>260.0 Kts</b> up to <b>24000.0 ft</b> <b>340.0 Kts</b> up to <b>99900.0 ft</b>  <b>Wind Settings:</b> <i>None assigned</i> <b>Descent During a Turn:</b> Allowed <b>VNAV Mode:</b> Flight Plan	
	Flight Track comes into contact with terrain. Minimum AGL along route was -39.57 Ft. Flight Track contacted terrain (DTED 0 MAX) between AER and DER or within 2/3 NM of DER.	

DME/DME	<a href="#">Return To Summary</a>
<b>Settings:</b>	<p> <b>RNP:</b> 2.0  <b>Flight Mode:</b> Manual  <b>Line of Sight (DTED Level 0 Max):</b> Evaluated  <b>DME Restrictions:</b> Evaluated  <b>Inertial Drift:</b> Enabled              <b>Initial Drift:</b> 0.165 NM              <b>INS Drift Rate:</b> 8.000 NM/Hour  <b>Range Mode:</b> OSV  <b>Co-Frequencies:</b> Evaluated  <b>RNP Edges:</b> Evaluated  <b>Min DME Range:</b> 3.0 NM  <b>Allowed Gap Length:</b> 4.0 NM  <b>DME Types:</b> VOR/DME, VORTAC, Standalone, and User  <b>DME Include Angles:</b> 30 to 150  <b>Critical DMEs:</b> Allowed  <b>DoD Facilities:</b> Not included  <b>Foreign Facilities:</b> Not included  <b>Low DMEs:</b> Included  <b>Terminal DMEs:</b> Included  <b>Flight Check DMEs:</b> Selected  <b>Higher Altitudes:</b> Evaluated  <b>Near Maximum Altitude:</b> Evaluated  <b>Minimum MSL DMEs Avail:</b> 1582 ft         </p>
<p> <b>Total Number of DMEs Used:</b> 4  <b>Maximum DME Error:</b> 0.461 NM.  <b>No Critical DMEs were found.</b>  <b>Available DMEs:</b> CRL, SVM, PSI, DXO  <b>Disabled DMEs:</b> LAN, ELX, GIJ, PMM, MKG, HIC, PLN, MNM, CTW, JFN, TVT, BDF, DNV, EON, PLL, PNT, RBS, SAM, UIN, VLA, BVT, GSH, ECB, EWO, FLM, YRK, BRD, DWN, HML, ODI, RST, CMK, DNY, GFL, GGT, HNK, HUO, LGA, HTO, MSS, PWL, RKA, SLK, UCA, ULW, CRI, AGC, BFD, CIP, ETG, FJC, FQM, IHD, LVZ, MIP, MXE, REC, SFK, SLT, TDT, THS, AUW, JVL, LNR, STE, CKB, ESL, HNN, and GRV  <b>Foreign DMEs within range:</b> YEE, YQG, YQO, YVV, YWT, YXU, YYZ         </p>	





DME/DME (Continued)						<a href="#">Return To Summary</a>			
DMEs Used									
#	Name	Lat/Lon/MAGVAR	Range	Source	Critical	Err. [NM]	Status	Time	Distance
1	SVM	N 42° 24' 31.09" W 83° 35' 38.05" 03 W	L + <a href="#">ESV</a>	User	NO	0.509	Enabled	41.1%	46.5%
2	CRL	N 42° 2' 52.90" W 83° 27' 27.30" 03 W	H	Database	NO	0.523	Enabled	41.1%	46.5%
3	DXO	N 42° 12' 47.29" W 83° 22' 0.00" 06 W	H + <a href="#">ESV</a>	User	NO	0.461	Enabled	6.3%	7.2%
4	PSI	N 42° 42' 3.09" W 83° 31' 57.98" 03 W	L	Database	NO	0.461	Enabled	6.3%	7.2%
	Total Coverage							47.4%	53.6%
Flight Check DME Selection									
Distance [NM]		Selected DMEs						Alternate	
0.0									
1.7		CRL							
3.4		CRL	DXO	PSI	SVM				
Inertial Drift Segments									
#	Start Location			End Location			Length [NM]		
1	N 42° 11' 44.21" W 83° 21' 6.49"			N 42° 14' 46.13" W 83° 18' 52.36"			3.5		
VOR: DET				Available from N 42° 11' 44.21" W 83° 21' 6.49" to N 42° 14' 46.13" W 83° 18' 52.36"					
VOR: CRL				Available from N 42° 11' 44.21" W 83° 21' 6.49" to N 42° 14' 46.13" W 83° 18' 52.36"					
VOR: YQG				Available from N 42° 11' 44.21" W 83° 21' 6.49" to N 42° 14' 46.13" W 83° 18' 52.36"					
VOR: DTW				Available from N 42° 11' 44.21" W 83° 21' 6.49" to N 42° 14' 46.13" W 83° 18' 52.36"					
VOR: YIP				Available from N 42° 11' 44.21" W 83° 21' 6.49" to N 42° 14' 46.13" W 83° 18' 52.36"					
VOR: SVM				Available from N 42° 11' 44.21" W 83° 21' 6.49" to N 42° 14' 46.13" W 83° 18' 52.36"					
VOR: PSI				Available from N 42° 11' 44.21" W 83° 21' 6.49" to N 42° 14' 46.13" W 83° 18' 52.36"					
VOR: DXO				Available from N 42° 11' 44.21" W 83° 21' 6.49" to N 42° 14' 46.13" W 83° 18' 52.36"					

Available DMEs by Waypoints		<a href="#">Return To Summary</a>
Waypoint Before	Waypoint After	DME List
RW03R(AER)	RW21L(DER)	
RW21L(DER)	GH03R:	CRL
GH03R:	BESST	SVM, DXO, CRL, and PSI

User Data					<a href="#">Return To Summary</a>		
User Data Files							
#	File Name						
1	BARI1 New2.udt						
User DMEs							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	LAN	N 42° 43' 2.62" W 84° 41' 51.03" 05 W	L	887.4	110.80	LAN	Disabled
2	LFD	N 42° 3' 44.96" W 84° 45' 54.48" 05 W	L	1040.0	111.20	LFD	Not Used
Restriction:		Bearing [True]: 105.0° to 160.0° Bearing [Mag]: 110.0° to 165.0°			Distance: Beyond 35.0 NM Altitude: Below 3000.0 ft		
ESV:		Bearing [True]: 95.0° to 132.0° Bearing [Mag]: 100.0° to 137.0°			Arc Distance: Out to 70.0 NM Altitude: 5000.0 to 16000.0 ft		
3	ELX	N 42° 8' 39.88" W 86° 7' 21.74" 00 E	L	793.7	116.60	ELX	Disabled
4	GIJ	N 41° 46' 7.00" W 86° 19' 6.42" 00 E	H	802.7	115.40	GIJ	Disabled
Restriction:		Bearing [True]: 360.0° to 360.0° Bearing [Mag]: 360.0° to 360.0°			Distance: Beyond 35.0 NM Altitude: Below 3500.0 ft		
5	PMM	N 42° 27' 57.73" W 86° 6' 17.32" 00 E	H	639.9	112.10	PMM	Disabled
Restriction:		Bearing [True]: 360.0° to 360.0° Bearing [Mag]: 360.0° to 360.0°			Distance: Beyond 35.0 NM Altitude: Below 3000.0 ft		
6	MKG	N 43° 10' 9.31" W 86° 2' 21.76" 01 W	L	659.1	115.20	MKG	Disabled
Restriction:		Bearing [True]: 54.0° to 89.0° Bearing [Mag]: 55.0° to 90.0°			Distance: Beyond 10.0 NM Altitude: Below 4000.0 ft		
7	HIC	N 43° 34' 29.47" W 85° 42' 58.18" 01 W	L	920.0	117.60	HIC	Disabled
Restriction:		Bearing [True]: 19.0° to 89.0° Bearing [Mag]: 20.0° to 90.0°			Distance: Beyond 30.0 NM Altitude: Below 3000.0 ft		
Restriction:		Bearing [True]: 269.0° to 289.0° Bearing [Mag]: 270.0° to 290.0°			Distance: Beyond 35.0 NM Altitude: Below 3000.0 ft		
8	PLN	N 45° 37' 50.33" W 84° 39' 50.79" 06 W	L	835.3	111.80	PLN	Disabled
9	MNM	N 45° 10' 48.58" W 87° 38' 49.83" 00 E	L	650.1	109.60	MNM	Disabled
10	CTW	N 40° 13' 45.15" W 81° 28' 35.32" 07 W	L	1180.0	111.80	CTW	Disabled

User Data (Continued)					<a href="#">Return To Summary</a>		
User DMEs (Continued)							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
11	JFN	N 41° 45' 36.42" W 80° 44' 53.20" 05 W	L	896.3	115.20	JFN	Disabled
Restriction:		Bearing [True]: 226.0° to 255.0° Bearing [Mag]: 231.0° to 260.0°			Distance: Beyond 30.0 NM Altitude: Below 3500.0 ft		
Restriction:		Bearing [True]: 121.0° to 185.0° Bearing [Mag]: 126.0° to 190.0°			Distance: Beyond 20.0 NM Altitude: Below 3500.0 ft		
Restriction:		Bearing [True]: 186.0° to 225.0° Bearing [Mag]: 191.0° to 230.0°			Distance: Beyond 0.0 NM Altitude: Below 99999.0 ft		
Restriction:		Bearing [True]: 80.0° to 120.0° Bearing [Mag]: 85.0° to 125.0°			Distance: Beyond 35.0 NM Altitude: Below 3500.0 ft		
12	TVT	N 40° 27' 29.04" W 82° 7' 36.52" 03 W	L	1330.4	116.50	TVT	Disabled
13	BDF	N 41° 9' 35.03" W 89° 35' 16.34" 00 E	H	810.0	114.70	BDF	Disabled
14	DNV	N 40° 17' 37.56" W 87° 33' 26.14" 02 E	L	698.8	111.00	DNV	Disabled
15	EON	N 41° 16' 10.68" W 87° 47' 27.79" 02 E	L	688.7	113.20	EON	Disabled
16	PLL	N 41° 57' 56.31" W 89° 31' 27.19" 03 E	L	840.0	111.20	PLL	Disabled
17	PNT	N 40° 49' 16.32" W 88° 44' 0.63" 03 E	L	680.0	109.60	PNT	Disabled
18	RBS	N 40° 34' 54.13" W 88° 9' 51.36" 02 E	L	780.0	116.80	RBS	Disabled
19	SAM	N 38° 29' 6.68" W 88° 5' 8.90" 03 E	L	540.0	116.60	SAM	Disabled
20	UIN	N 39° 50' 52.35" W 91° 16' 44.13" 05 E	H	715.1	113.60	UIN	Disabled
21	VLA	N 39° 5' 37.82" W 89° 9' 44.08" 04 E	L	605.5	114.30	VLA	Disabled
22	BVT	N 40° 33' 22.22" W 87° 4' 9.75" 01 E	H	752.2	115.10	BVT	Disabled
Restriction:		Bearing [True]: 299.0° to 45.0° Bearing [Mag]: 298.0° to 44.0°			Distance: Beyond 0.0 NM Altitude: Below 2800.0 ft		

User Data (Continued)					<a href="#">Return To Summary</a>		
User DMEs (Continued)							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
23	GSH	N 41° 31' 30.56" W 86° 1' 40.63" 00 E	H	851.8	113.70	GSH	Disabled
Restriction:		Bearing [True]: 71.0° to 129.0° Bearing [Mag]: 71.0° to 129.0°			Distance: Beyond 0.0 NM Altitude: Below 99999.0 ft		
24	ECB	N 38° 9' 30.11" W 82° 54' 36.20" 02 W	L	1070.0	110.40	ECB	Disabled
25	EWO	N 37° 37' 54.52" W 85° 40' 33.16" 01 E	L	960.0	110.80	EWO	Disabled
26	FLM	N 38° 38' 57.99" W 84° 18' 38.17" 04 W	H	808.5	117.00	FLM	Disabled
27	YRK	N 38° 38' 38.88" W 82° 58' 42.02" 05 W	L	1040.0	112.80	YRK	Disabled
28	BRD	N 46° 20' 53.81" W 94° 1' 33.54" 03 E	H	1253.9	116.90	BRD	Disabled
Restriction:		Bearing [True]: 3.0° to 3.0° Bearing [Mag]: 360.0° to 360.0°			Distance: Beyond 29.0 NM Altitude: Below 3000.0 ft		
29	DWN	N 45° 5' 14.87" W 94° 27' 13.86" 07 E	L	1130.0	109.00	DWN	Disabled
30	HML	N 48° 52' 9.07" W 97° 7' 4.45" 09 E	H	797.4	112.40	HML	Disabled
Restriction:		Bearing [True]: 84.0° to 94.0° Bearing [Mag]: 75.0° to 85.0°			Distance: Beyond 0.0 NM Altitude: Below 10000.0 ft		
Restriction:		Bearing [True]: 95.0° to 263.0° Bearing [Mag]: 86.0° to 254.0°			Distance: Beyond 35.0 NM Altitude: Below 3000.0 ft		
Restriction:		Bearing [True]: 264.0° to 279.0° Bearing [Mag]: 255.0° to 270.0°			Distance: Beyond 0.0 NM Altitude: Below 99999.0 ft		
Restriction:		Bearing [True]: 280.0° to 83.0° Bearing [Mag]: 271.0° to 74.0°			Distance: Beyond 35.0 NM Altitude: Below 3000.0 ft		
31	ODI	N 43° 54' 44.38" W 91° 28' 3.06" 01 E	H	1282.2	117.90	ODI	Disabled
32	RST	N 43° 46' 58.45" W 92° 35' 49.06" 05 E	L	1393.0	112.00	RST	Disabled
33	CMK	N 41° 16' 48.32" W 73° 34' 52.77" 12 W	L	693.8	116.60	CMK	Disabled
34	DNY	N 42° 10' 41.81" W 74° 57' 24.99" 11 W	L	2560.0	112.10	DNY	Disabled

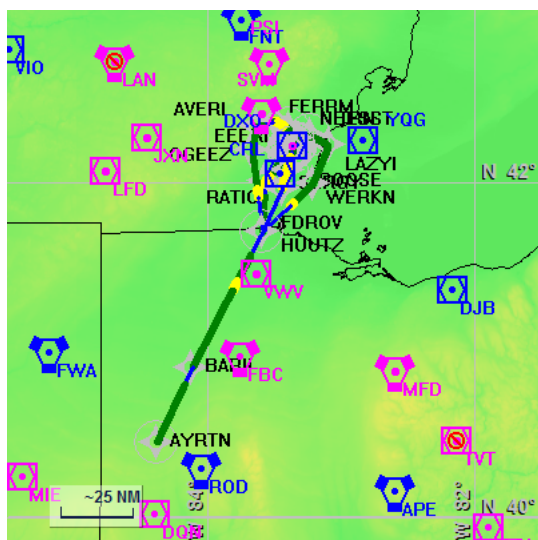
User Data (Continued)					<a href="#">Return To Summary</a>		
User DMEs (Continued)							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
35	GFL	N 43° 20' 30.09" W 73° 36' 42.32" 14 W	L	323.7	110.20	GFL	Disabled
Restriction:		Bearing [True]: 346.0° to 346.0° Bearing [Mag]: 360.0° to 360.0°			Distance: Beyond 0.0 NM Altitude: Below 9000.0 ft		
36	GGT	N 42° 47' 20.24" W 75° 49' 36.29" 11 W	L	2040.0	117.80	GGT	Disabled
37	HNK	N 42° 3' 47.00" W 75° 18' 58.62" 11 W	H	2070.0	116.80	HNK	Disabled
38	HUO	N 41° 24' 34.87" W 74° 35' 29.74" 11 W	H	1300.3	116.10	HUO	Disabled
39	LGA	N 40° 47' 1.38" W 73° 52' 6.96" 12 W	L	8.9	113.10	LGA	Disabled
Restriction:		Bearing [True]: 233.0° to 268.0° Bearing [Mag]: 245.0° to 280.0°			Distance: Beyond 25.0 NM Altitude: Below 6000.0 ft		
40	HTO	N 40° 55' 8.38" W 72° 19' 0.14" 13 W	H	22.0	113.60	HTO	Disabled
Restriction:		Bearing [True]: 267.0° to 312.0° Bearing [Mag]: 280.0° to 325.0°			Distance: Beyond 35.0 NM Altitude: Below 1700.0 ft		
Restriction:		Bearing [True]: 312.0° to 342.0° Bearing [Mag]: 325.0° to 355.0°			Distance: Beyond 30.0 NM Altitude: Below 2000.0 ft		
41	MSS	N 44° 54' 51.92" W 74° 43' 21.78" 14 W	H	197.5	114.10	MSS	Disabled
42	PWL	N 41° 46' 11.18" W 73° 36' 1.99" 12 W	L	1250.0	114.30	PWL	Disabled
43	RKA	N 42° 27' 58.91" W 75° 14' 21.51" 11 W	L	2027.2	112.60	RKA	Disabled
44	SLK	N 44° 23' 4.41" W 74° 12' 16.21" 14 W	L	1646.8	109.20	SLK	Disabled
45	UCA	N 43° 1' 35.45" W 75° 9' 52.28" 12 W	L	1420.0	111.20	UCA	Disabled
46	ULW	N 42° 5' 39.16" W 77° 1' 28.53" 12 W	L	1631.8	109.65	ULW	Disabled
47	CRI	N 40° 36' 44.90" W 73° 53' 40.00" 11 W	T	10.0	112.30	CRI	Disabled

User Data (Continued)					<a href="#">Return To Summary</a>		
User DMEs (Continued)							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
48	AGC	N 40° 16' 43.12" W 80° 2' 27.08" 09 W	L	1284.6	110.00	AGC	Disabled
49	BFD	N 41° 47' 10.99" W 78° 37' 9.65" 07 W	L	2110.6	116.60	BFD	Disabled
50	CIP	N 41° 8' 46.66" W 79° 27' 28.71" 06 W	L	1519.5	112.90	CIP	Disabled
51	ETG	N 41° 12' 53.82" W 78° 8' 33.92" 10 W	H	2250.0	116.00	ETG	Disabled
52	FJC	N 40° 43' 36.12" W 75° 27' 17.12" 10 W	L	680.6	117.50	FJC	Disabled
Restriction:		Bearing [True]: 290.0° to 50.0° Bearing [Mag]: 300.0° to 60.0°			Distance: Beyond 26.0 NM Altitude: Below 4500.0 ft		
Restriction:		Bearing [True]: 51.0° to 289.0° Bearing [Mag]: 61.0° to 299.0°			Distance: Beyond 30.0 NM Altitude: Below 4000.0 ft		
53	FQM	N 41° 20' 18.81" W 76° 46' 29.52" 09 W	L	2098.0	114.40	FQM	Disabled
54	IHD	N 39° 58' 27.27" W 79° 21' 30.12" 06 W	L	2820.0	108.20	IHD	Disabled
55	LVZ	N 41° 16' 22.09" W 75° 41' 22.08" 10 W	L	2118.8	111.60	LVZ	Disabled
56	MIP	N 41° 1' 24.21" W 76° 39' 55.04" 09 W	L	1000.0	109.20	MIP	Disabled
57	MXE	N 39° 55' 5.00" W 75° 40' 14.91" 09 W	L	473.4	113.20	MXE	Disabled
58	REC	N 40° 32' 47.25" W 78° 44' 49.28" 09 W	L	2340.0	110.60	REC	Disabled
59	SFK	N 41° 41' 42.91" W 77° 25' 11.66" 08 W	L	1984.7	108.60	SFK	Disabled
60	SLT	N 41° 30' 45.93" W 77° 58' 12.39" 08 W	H	2310.0	113.90	SLT	Disabled



User Data (Continued)					<a href="#">Return To Summary</a>		
User DMEs (Continued)							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
61	TDT	N 41° 42' 46.91" W 79° 25' 2.17" 09 W	L	1710.0	117.60	TDT	Disabled
Restriction:		Bearing [True]: 32.0° to 42.0° Bearing [Mag]: 41.0° to 51.0°			Distance: Beyond 30.0 NM Altitude: Below 4000.0 ft		
Restriction:		Bearing [True]: 296.0° to 331.0° Bearing [Mag]: 305.0° to 340.0°			Distance: Beyond 24.0 NM Altitude: Below 3500.0 ft		
Restriction:		Bearing [True]: 331.0° to 356.0° Bearing [Mag]: 340.0° to 5.0°			Distance: Beyond 24.0 NM Altitude: Below 5000.0 ft		
62	THS	N 39° 55' 59.62" W 77° 57' 3.40" 07 W	L	2338.0	115.00	THS	Disabled
63	AUW	N 44° 50' 48.40" W 89° 35' 11.68" 02 E	L	1204.7	111.60	AUW	Disabled
Restriction:		Bearing [True]: 322.0° to 302.0° Bearing [Mag]: 320.0° to 300.0°			Distance: Beyond 30.0 NM Altitude: Below 3000.0 ft		
Restriction:		Bearing [True]: 302.0° to 322.0° Bearing [Mag]: 300.0° to 320.0°			Distance: Beyond 30.0 NM Altitude: Below 4000.0 ft		
64	JVL	N 42° 33' 28.83" W 89° 6' 18.93" 03 E	L	931.4	114.30	JVL	Disabled
65	LNR	N 43° 17' 39.85" W 90° 7' 59.33" 00 E	L	1184.6	112.80	LNR	Disabled
66	STE	N 44° 32' 35.69" W 89° 31' 50.02" 01 W	L	1110.0	110.60	STE	Disabled
Restriction:		Bearing [True]: 359.0° to 359.0° Bearing [Mag]: 360.0° to 360.0°			Distance: Beyond 35.0 NM Altitude: Below 3000.0 ft		
67	CKB	N 39° 15' 11.57" W 80° 16' 4.32" 04 W	L	1425.7	112.60	CKB	Disabled
68	ESL	N 39° 13' 31.77" W 78° 59' 22.20" 06 W	L	2590.0	110.80	ESL	Disabled
69	HNN	N 38° 45' 14.85" W 82° 1' 34.20" 03 W	H	880.0	115.90	HNN	Disabled
70	GRV	N 39° 38' 6.11" W 79° 3' 1.90" 06 W	L	2640.0	112.30	GRV	Disabled
Restriction:		Bearing [True]: 301.0° to 64.0° Bearing [Mag]: 307.0° to 70.0°			Distance: Beyond 20.0 NM Altitude: Below 5000.0 ft		
Restriction:		Bearing [True]: 65.0° to 300.0° Bearing [Mag]: 71.0° to 306.0°			Distance: Beyond 20.0 NM Altitude: Below 6000.0 ft		
Restriction:		Bearing [True]: 102.0° to 107.0° Bearing [Mag]: 108.0° to 113.0°			Distance: Beyond 38.0 NM Altitude: Below 99999.0 ft		
Restriction:		Bearing [True]: 319.0° to 339.0° Bearing [Mag]: 325.0° to 345.0°			Distance: Beyond 35.0 NM Altitude: Below 99999.0 ft		

User Data (Continued)					<a href="#">Return To Summary</a>		
User DMEs (Continued)							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
71	DXO	N 42° 12' 47.29" W 83° 22' 0.00" 06 W	H	637.7	113.40	DXO	Used
Restriction:		Bearing [True]: 354.0° to 354.0° Bearing [Mag]: 360.0° to 360.0°			Distance: Beyond 30.0 NM Altitude: Below 2900.0 ft		
ESV:		Bearing [True]: 192.0° to 208.0° Bearing [Mag]: 198.0° to 214.0°			Arc Distance: Out to 50.0 NM Altitude: 5000.0 to 16000.0 ft		
72	JXN	N 42° 15' 33.27" W 84° 27' 30.77" 05 W	L	995.2	109.60	JXN	Not Used
Restriction:		Bearing [True]: 70.0° to 250.0° Bearing [Mag]: 75.0° to 255.0°			Distance: Beyond 10.0 NM Altitude: Below 3000.0 ft		
ESV:		Bearing [True]: 110.0° to 154.0° Bearing [Mag]: 115.0° to 159.0°			Arc Distance: Out to 63.0 NM Altitude: 8000.0 to 20000.0 ft		
ESV:		Bearing [True]: 150.0° to 213.0° Bearing [Mag]: 155.0° to 218.0°			Arc Distance: Out to 85.0 NM Altitude: 7800.0 to 20000.0 ft		
73	MFD	N 40° 52' 7.00" W 82° 35' 27.46" 03 W	L	1222.0	108.80	MFD	Not Used
Restriction:		Bearing [True]: 72.0° to 92.0° Bearing [Mag]: 75.0° to 95.0°			Distance: Beyond 0.0 NM Altitude: Below 99999.0 ft		
Restriction:		Bearing [True]: 148.0° to 211.0° Bearing [Mag]: 151.0° to 214.0°			Distance: Beyond 30.0 NM Altitude: Below 99999.0 ft		
ESV:		Bearing [True]: 297.0° to 314.0° Bearing [Mag]: 300.0° to 317.0°			Arc Distance: Out to 69.0 NM Altitude: 5300.0 to 20000.0 ft		
74	VWV	N 41° 27' 5.35" W 83° 38' 19.30" 02 W	L	664.2	113.10	VWV	Not Used
ESV:		Bearing [True]: 7.0° to 32.0° Bearing [Mag]: 9.0° to 34.0°			Arc Distance: Out to 47.0 NM Altitude: 2000.0 to 20000.0 ft		
75	SVM	N 42° 24' 31.09" W 83° 35' 38.05" 03 W	L	955.8	114.30	SVM	Used
ESV:		Bearing [True]: 171.0° to 192.0° Bearing [Mag]: 174.0° to 195.0°			Arc Distance: Out to 55.0 NM Altitude: 3900.0 to 20000.0 ft		



**Name:** Brent Comeaux  
**Project Name:** KDTW BARI1  
**Output File:** KDTW BARI1 SID RW04L  
NITRN 20171026\_0829  
**Procedure Name:** BARI1  
**Software:** RNAV-Pro™  
**Version:** 2.39  
**Date/Time:** 10/26/2017 8:31:05 AM  
**Input File:** [KDTW BARI1 SID RW04L  
NITRN 20170829\\_1505.txt](#)  
**Databases:** AIRNAV Date: 9/17/2017  
CIFP Date: 7/20/2017  
DTED® (MAX) Date: 2002

## Results Summary:

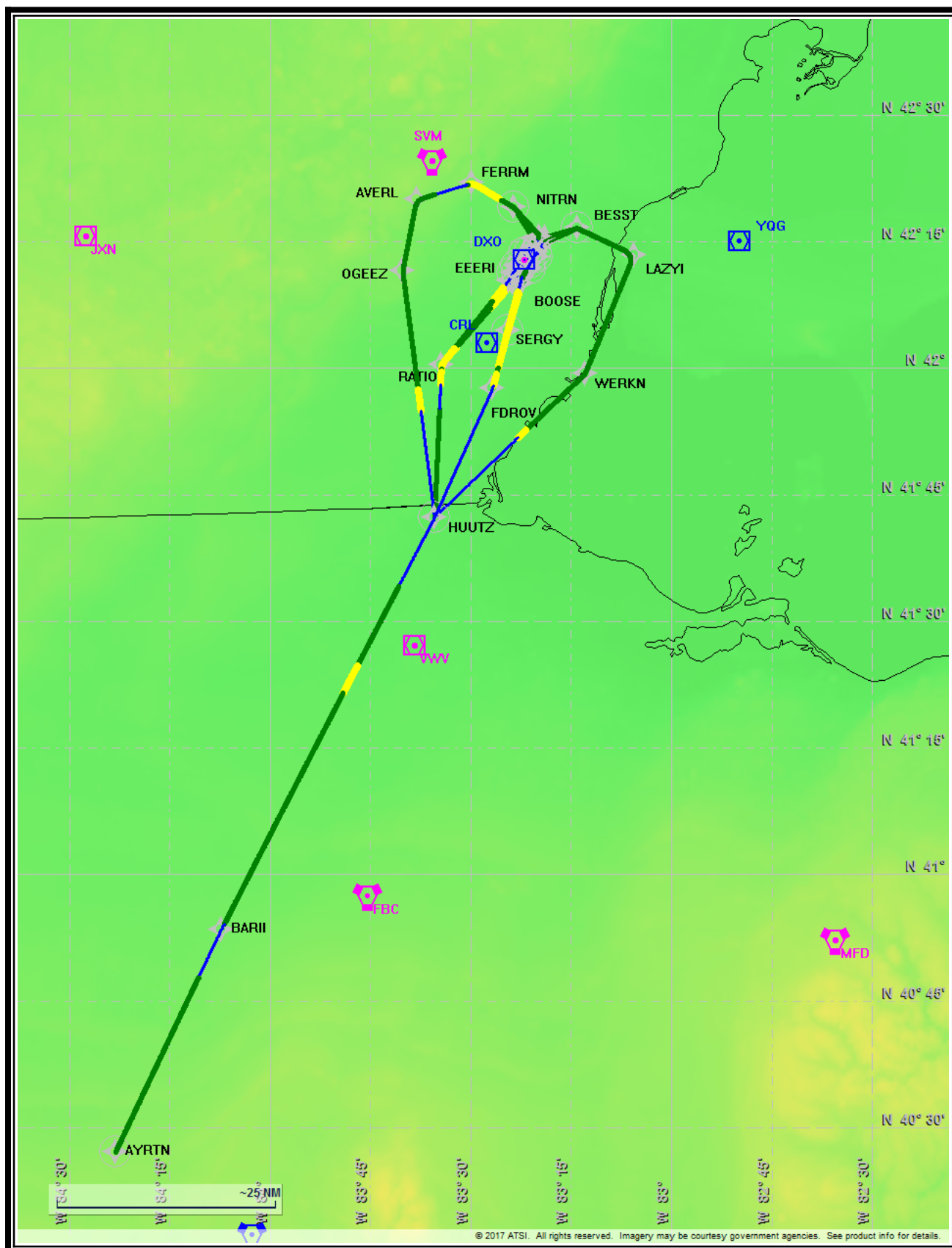
**Flyability**  **Please Check Flyability Results**

**DME/DME**  **No Critical DMEs Exist**

**Radars** 

**Comms** 

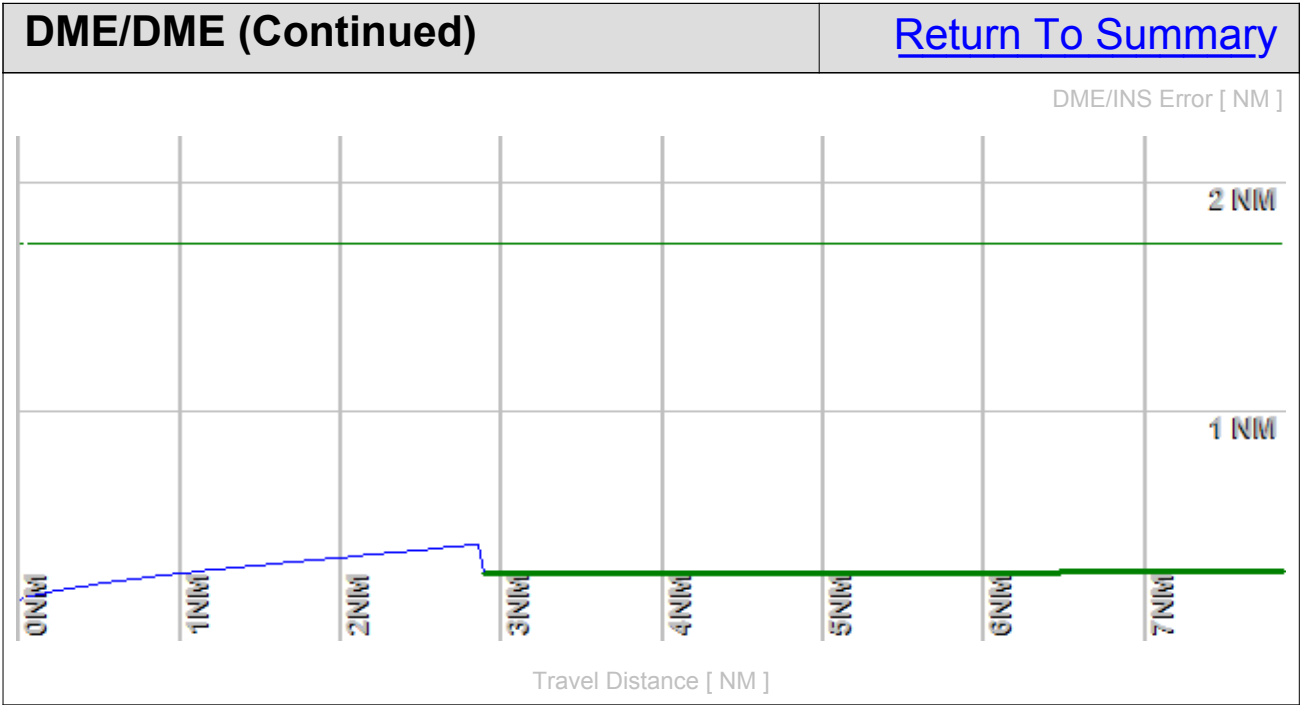
**TERPS** 



Flight Plan					<a href="#">Return To Summary</a>		
Name	Type	Lat/Lon	Alt [ft]	VNAV Mode	IAS [Kts]	Turn Type	Leg Type
RW04L(...	WP	N 42° 12' 7.82" W 83° 23' 2.40"	645.2	VNAV	0.0	Fly By	TF
RW22R(...	WP	N 42° 13' 34.48" W 83° 21' 58.61"	677.2	VNAV	130.0	Fly Over	VI
GH04L:	WP	N 42° 15' 19.80" W 83° 20' 41.03"	1675.9	VNAV	145.0	Fly By	CF - 330.2°
NITRN	WP	N 42° 19' 1.35" W 83° 23' 31.69"	2526.6	VNAV	145.0	Fly Over	TF
Climb Gradient: 500.0 ft/NM up to 1100.0 ft MSL							

Flyability		<a href="#">Return To Summary</a>
Settings:	<b>Flight Type:</b> Runway Departure <b>Selected Airport:</b> KDTW <b>Aircraft Category:</b> Cat D <b>Climb Gradient:</b> 500.0 ft/NM up to 1100.0 ft MSL <b>Ground Speeds:</b> Departure: <b>120.0 Kts</b> out to <b>10.0 NM</b> Table: <b>200.0 Kts</b> up to <b>11000.0 ft</b> <b>240.0 Kts</b> up to <b>18000.0 ft</b> <b>260.0 Kts</b> up to <b>24000.0 ft</b> <b>340.0 Kts</b> up to <b>99900.0 ft</b>  <b>Wind Settings:</b> <i>None assigned</i> <b>Descent During a Turn:</b> Allowed <b>VNAV Mode:</b> Flight Plan	
	Flight Track comes into contact with terrain. Minimum AGL along route was -47.06 Ft. Flight Track contacted terrain (DTED 0 MAX) between AER and DER or within 2/3 NM of DER.	

DME/DME	<a href="#">Return To Summary</a>
<b>Settings:</b>	<p> <b>RNP:</b> 2.0  <b>Flight Mode:</b> Manual  <b>Line of Sight (DTED Level 0 Max):</b> Evaluated  <b>DME Restrictions:</b> Evaluated  <b>Inertial Drift:</b> Enabled              <b>Initial Drift:</b> 0.165 NM              <b>INS Drift Rate:</b> 8.000 NM/Hour  <b>Range Mode:</b> OSV  <b>Co-Frequencies:</b> Evaluated  <b>RNP Edges:</b> Evaluated  <b>Min DME Range:</b> 3.0 NM  <b>Allowed Gap Length:</b> 4.0 NM  <b>DME Types:</b> VOR/DME, VORTAC, Standalone, and User  <b>DME Include Angles:</b> 30 to 150  <b>Critical DMEs:</b> Allowed  <b>DoD Facilities:</b> Not included  <b>Foreign Facilities:</b> Not included  <b>Low DMEs:</b> Included  <b>Terminal DMEs:</b> Included  <b>Flight Check DMEs:</b> Selected  <b>Higher Altitudes:</b> Evaluated  <b>Near Maximum Altitude:</b> Evaluated  <b>Minimum MSL DMEs Avail:</b> 1287 ft         </p>
<p> <b>Total Number of DMEs Used:</b> 2  <b>Maximum DME Error:</b> 0.421 NM.  <b>No Critical DMEs were found.</b>  <b>Available DMEs:</b> SVM, CRL, DXO  <b>Disabled DMEs:</b> LAN, ELX, GIJ, PMM, MKG, HIC, PLN, MNM, CTW, JFN, TVT, BDF, DNV, EON, PLL, PNT, RBS, SAM, UIN, VLA, BVT, GSH, ECB, EWO, FLM, YRK, BRD, DWN, HML, ODI, RST, CMK, DNY, GFL, GGT, HNK, HUO, LGA, HTO, MSS, PWL, RKA, SLK, UCA, ULW, CRI, AGC, BFD, CIP, ETG, FJC, FQM, IHD, LVZ, MIP, MXE, REC, SFK, SLT, TDT, THS, AUW, JVL, LNR, STE, CKB, ESL, HNN, and GRV  <b>Foreign DMEs within range:</b> YEE, YQG, YQO, YVV, YWT, YXU, YYZ         </p>	





DME/DME (Continued)						<a href="#">Return To Summary</a>			
DMEs Used									
#	Name	Lat/Lon/MAGVAR	Range	Source	Critical	Err. [NM]	Status	Time	Distance
1	SVM	N 42° 24' 31.09" W 83° 35' 38.05" 03 W	L + <a href="#">ESV</a>	User	NO	0.754	Enabled	56.6%	63.6%
2	CRL	N 42° 2' 52.90" W 83° 27' 27.30" 03 W	H	Database	NO	0.754	Enabled	56.6%	63.6%
	Total Coverage							56.6%	63.6%
Flight Check DME Selection									
Distance [NM]		Selected DMEs						Alternate	
0.0									
1.7		SVM	CRL						
3.3		SVM	CRL	DXO					
Inertial Drift Segments									
#	Start Location			End Location			Length [NM]		
1	N 42° 12' 7.82" W 83° 23' 2.40"			N 42° 14' 38.21" W 83° 21' 11.64"			2.9		
VOR: DET				Available from N 42° 12' 7.82" W 83° 23' 2.40" to N 42° 14' 38.21" W 83° 21' 11.64"					
VOR: CRL				Available from N 42° 12' 7.82" W 83° 23' 2.40" to N 42° 14' 38.21" W 83° 21' 11.64"					
VOR: YQG				Available from N 42° 12' 7.82" W 83° 23' 2.40" to N 42° 14' 38.21" W 83° 21' 11.64"					
VOR: DTW				Available from N 42° 12' 7.82" W 83° 23' 2.40" to N 42° 14' 38.21" W 83° 21' 11.64"					
VOR: YIP				Available from N 42° 12' 7.82" W 83° 23' 2.40" to N 42° 14' 38.21" W 83° 21' 11.64"					
VOR: SVM				Available from N 42° 12' 7.82" W 83° 23' 2.40" to N 42° 14' 38.21" W 83° 21' 11.64"					
VOR: PSI				Available from N 42° 12' 7.82" W 83° 23' 2.40" to N 42° 14' 38.21" W 83° 21' 11.64"					
VOR: DXO				Available from N 42° 12' 7.82" W 83° 23' 2.40" to N 42° 14' 38.21" W 83° 21' 11.64"					

Available DMEs by Waypoints		<a href="#">Return To Summary</a>
Waypoint Before	Waypoint After	DME List
RW04L(AER)	RW22R(DER)	
RW22R(DER)	GH04L:	SVM and CRL
GH04L:	NITRN	SVM, DXO, and CRL

User Data					<a href="#">Return To Summary</a>		
User Data Files							
#	File Name						
1	BARI1 New2.udt						
User DMEs							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	LAN	N 42° 43' 2.62" W 84° 41' 51.03" 05 W	L	887.4	110.80	LAN	Disabled
2	LFD	N 42° 3' 44.96" W 84° 45' 54.48" 05 W	L	1040.0	111.20	LFD	Not Used
Restriction:		Bearing [True]: 105.0° to 160.0° Bearing [Mag]: 110.0° to 165.0°			Distance: Beyond 35.0 NM Altitude: Below 3000.0 ft		
ESV:		Bearing [True]: 95.0° to 132.0° Bearing [Mag]: 100.0° to 137.0°			Arc Distance: Out to 70.0 NM Altitude: 5000.0 to 16000.0 ft		
3	ELX	N 42° 8' 39.88" W 86° 7' 21.74" 00 E	L	793.7	116.60	ELX	Disabled
4	GIJ	N 41° 46' 7.00" W 86° 19' 6.42" 00 E	H	802.7	115.40	GIJ	Disabled
Restriction:		Bearing [True]: 360.0° to 360.0° Bearing [Mag]: 360.0° to 360.0°			Distance: Beyond 35.0 NM Altitude: Below 3500.0 ft		
5	PMM	N 42° 27' 57.73" W 86° 6' 17.32" 00 E	H	639.9	112.10	PMM	Disabled
Restriction:		Bearing [True]: 360.0° to 360.0° Bearing [Mag]: 360.0° to 360.0°			Distance: Beyond 35.0 NM Altitude: Below 3000.0 ft		
6	MKG	N 43° 10' 9.31" W 86° 2' 21.76" 01 W	L	659.1	115.20	MKG	Disabled
Restriction:		Bearing [True]: 54.0° to 89.0° Bearing [Mag]: 55.0° to 90.0°			Distance: Beyond 10.0 NM Altitude: Below 4000.0 ft		
7	HIC	N 43° 34' 29.47" W 85° 42' 58.18" 01 W	L	920.0	117.60	HIC	Disabled
Restriction:		Bearing [True]: 19.0° to 89.0° Bearing [Mag]: 20.0° to 90.0°			Distance: Beyond 30.0 NM Altitude: Below 3000.0 ft		
Restriction:		Bearing [True]: 269.0° to 289.0° Bearing [Mag]: 270.0° to 290.0°			Distance: Beyond 35.0 NM Altitude: Below 3000.0 ft		
8	PLN	N 45° 37' 50.33" W 84° 39' 50.79" 06 W	L	835.3	111.80	PLN	Disabled
9	MNM	N 45° 10' 48.58" W 87° 38' 49.83" 00 E	L	650.1	109.60	MNM	Disabled
10	CTW	N 40° 13' 45.15" W 81° 28' 35.32" 07 W	L	1180.0	111.80	CTW	Disabled

User Data (Continued)					<a href="#">Return To Summary</a>		
User DMEs (Continued)							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
11	JFN	N 41° 45' 36.42" W 80° 44' 53.20" 05 W	L	896.3	115.20	JFN	Disabled
Restriction:		Bearing [True]: 226.0° to 255.0° Bearing [Mag]: 231.0° to 260.0°			Distance: Beyond 30.0 NM Altitude: Below 3500.0 ft		
Restriction:		Bearing [True]: 121.0° to 185.0° Bearing [Mag]: 126.0° to 190.0°			Distance: Beyond 20.0 NM Altitude: Below 3500.0 ft		
Restriction:		Bearing [True]: 186.0° to 225.0° Bearing [Mag]: 191.0° to 230.0°			Distance: Beyond 0.0 NM Altitude: Below 99999.0 ft		
Restriction:		Bearing [True]: 80.0° to 120.0° Bearing [Mag]: 85.0° to 125.0°			Distance: Beyond 35.0 NM Altitude: Below 3500.0 ft		
12	TVT	N 40° 27' 29.04" W 82° 7' 36.52" 03 W	L	1330.4	116.50	TVT	Disabled
13	BDF	N 41° 9' 35.03" W 89° 35' 16.34" 00 E	H	810.0	114.70	BDF	Disabled
14	DNV	N 40° 17' 37.56" W 87° 33' 26.14" 02 E	L	698.8	111.00	DNV	Disabled
15	EON	N 41° 16' 10.68" W 87° 47' 27.79" 02 E	L	688.7	113.20	EON	Disabled
16	PLL	N 41° 57' 56.31" W 89° 31' 27.19" 03 E	L	840.0	111.20	PLL	Disabled
17	PNT	N 40° 49' 16.32" W 88° 44' 0.63" 03 E	L	680.0	109.60	PNT	Disabled
18	RBS	N 40° 34' 54.13" W 88° 9' 51.36" 02 E	L	780.0	116.80	RBS	Disabled
19	SAM	N 38° 29' 6.68" W 88° 5' 8.90" 03 E	L	540.0	116.60	SAM	Disabled
20	UIN	N 39° 50' 52.35" W 91° 16' 44.13" 05 E	H	715.1	113.60	UIN	Disabled
21	VLA	N 39° 5' 37.82" W 89° 9' 44.08" 04 E	L	605.5	114.30	VLA	Disabled
22	BVT	N 40° 33' 22.22" W 87° 4' 9.75" 01 E	H	752.2	115.10	BVT	Disabled
Restriction:		Bearing [True]: 299.0° to 45.0° Bearing [Mag]: 298.0° to 44.0°			Distance: Beyond 0.0 NM Altitude: Below 2800.0 ft		

User Data (Continued)					<a href="#">Return To Summary</a>		
User DMEs (Continued)							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
23	GSH	N 41° 31' 30.56" W 86° 1' 40.63" 00 E	H	851.8	113.70	GSH	Disabled
Restriction:		Bearing [True]: 71.0° to 129.0° Bearing [Mag]: 71.0° to 129.0°			Distance: Beyond 0.0 NM Altitude: Below 99999.0 ft		
24	ECB	N 38° 9' 30.11" W 82° 54' 36.20" 02 W	L	1070.0	110.40	ECB	Disabled
25	EWO	N 37° 37' 54.52" W 85° 40' 33.16" 01 E	L	960.0	110.80	EWO	Disabled
26	FLM	N 38° 38' 57.99" W 84° 18' 38.17" 04 W	H	808.5	117.00	FLM	Disabled
27	YRK	N 38° 38' 38.88" W 82° 58' 42.02" 05 W	L	1040.0	112.80	YRK	Disabled
28	BRD	N 46° 20' 53.81" W 94° 1' 33.54" 03 E	H	1253.9	116.90	BRD	Disabled
Restriction:		Bearing [True]: 3.0° to 3.0° Bearing [Mag]: 360.0° to 360.0°			Distance: Beyond 29.0 NM Altitude: Below 3000.0 ft		
29	DWN	N 45° 5' 14.87" W 94° 27' 13.86" 07 E	L	1130.0	109.00	DWN	Disabled
30	HML	N 48° 52' 9.07" W 97° 7' 4.45" 09 E	H	797.4	112.40	HML	Disabled
Restriction:		Bearing [True]: 84.0° to 94.0° Bearing [Mag]: 75.0° to 85.0°			Distance: Beyond 0.0 NM Altitude: Below 10000.0 ft		
Restriction:		Bearing [True]: 95.0° to 263.0° Bearing [Mag]: 86.0° to 254.0°			Distance: Beyond 35.0 NM Altitude: Below 3000.0 ft		
Restriction:		Bearing [True]: 264.0° to 279.0° Bearing [Mag]: 255.0° to 270.0°			Distance: Beyond 0.0 NM Altitude: Below 99999.0 ft		
Restriction:		Bearing [True]: 280.0° to 83.0° Bearing [Mag]: 271.0° to 74.0°			Distance: Beyond 35.0 NM Altitude: Below 3000.0 ft		
31	ODI	N 43° 54' 44.38" W 91° 28' 3.06" 01 E	H	1282.2	117.90	ODI	Disabled
32	RST	N 43° 46' 58.45" W 92° 35' 49.06" 05 E	L	1393.0	112.00	RST	Disabled
33	CMK	N 41° 16' 48.32" W 73° 34' 52.77" 12 W	L	693.8	116.60	CMK	Disabled
34	DNY	N 42° 10' 41.81" W 74° 57' 24.99" 11 W	L	2560.0	112.10	DNY	Disabled

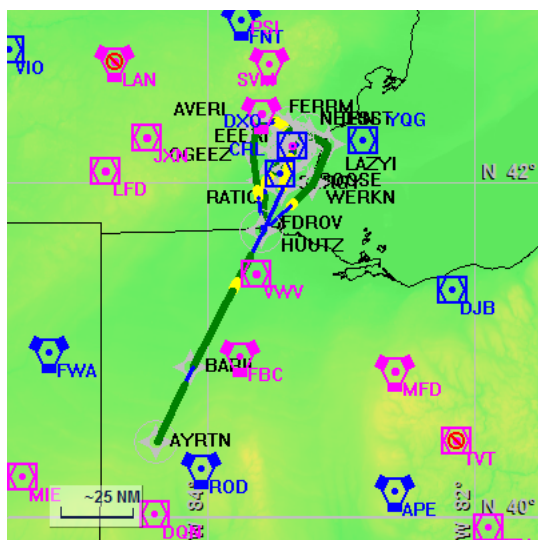
User Data (Continued)					<a href="#">Return To Summary</a>		
User DMEs (Continued)							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
35	GFL	N 43° 20' 30.09" W 73° 36' 42.32" 14 W	L	323.7	110.20	GFL	Disabled
Restriction:		Bearing [True]: 346.0° to 346.0° Bearing [Mag]: 360.0° to 360.0°			Distance: Beyond 0.0 NM Altitude: Below 9000.0 ft		
36	GGT	N 42° 47' 20.24" W 75° 49' 36.29" 11 W	L	2040.0	117.80	GGT	Disabled
37	HNK	N 42° 3' 47.00" W 75° 18' 58.62" 11 W	H	2070.0	116.80	HNK	Disabled
38	HUO	N 41° 24' 34.87" W 74° 35' 29.74" 11 W	H	1300.3	116.10	HUO	Disabled
39	LGA	N 40° 47' 1.38" W 73° 52' 6.96" 12 W	L	8.9	113.10	LGA	Disabled
Restriction:		Bearing [True]: 233.0° to 268.0° Bearing [Mag]: 245.0° to 280.0°			Distance: Beyond 25.0 NM Altitude: Below 6000.0 ft		
40	HTO	N 40° 55' 8.38" W 72° 19' 0.14" 13 W	H	22.0	113.60	HTO	Disabled
Restriction:		Bearing [True]: 267.0° to 312.0° Bearing [Mag]: 280.0° to 325.0°			Distance: Beyond 35.0 NM Altitude: Below 1700.0 ft		
Restriction:		Bearing [True]: 312.0° to 342.0° Bearing [Mag]: 325.0° to 355.0°			Distance: Beyond 30.0 NM Altitude: Below 2000.0 ft		
41	MSS	N 44° 54' 51.92" W 74° 43' 21.78" 14 W	H	197.5	114.10	MSS	Disabled
42	PWL	N 41° 46' 11.18" W 73° 36' 1.99" 12 W	L	1250.0	114.30	PWL	Disabled
43	RKA	N 42° 27' 58.91" W 75° 14' 21.51" 11 W	L	2027.2	112.60	RKA	Disabled
44	SLK	N 44° 23' 4.41" W 74° 12' 16.21" 14 W	L	1646.8	109.20	SLK	Disabled
45	UCA	N 43° 1' 35.45" W 75° 9' 52.28" 12 W	L	1420.0	111.20	UCA	Disabled
46	ULW	N 42° 5' 39.16" W 77° 1' 28.53" 12 W	L	1631.8	109.65	ULW	Disabled
47	CRI	N 40° 36' 44.90" W 73° 53' 40.00" 11 W	T	10.0	112.30	CRI	Disabled

User Data (Continued)					<a href="#">Return To Summary</a>		
User DMEs (Continued)							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
48	AGC	N 40° 16' 43.12" W 80° 2' 27.08" 09 W	L	1284.6	110.00	AGC	Disabled
49	BFD	N 41° 47' 10.99" W 78° 37' 9.65" 07 W	L	2110.6	116.60	BFD	Disabled
50	CIP	N 41° 8' 46.66" W 79° 27' 28.71" 06 W	L	1519.5	112.90	CIP	Disabled
51	ETG	N 41° 12' 53.82" W 78° 8' 33.92" 10 W	H	2250.0	116.00	ETG	Disabled
52	FJC	N 40° 43' 36.12" W 75° 27' 17.12" 10 W	L	680.6	117.50	FJC	Disabled
Restriction:		Bearing [True]: 290.0° to 50.0° Bearing [Mag]: 300.0° to 60.0°			Distance: Beyond 26.0 NM Altitude: Below 4500.0 ft		
Restriction:		Bearing [True]: 51.0° to 289.0° Bearing [Mag]: 61.0° to 299.0°			Distance: Beyond 30.0 NM Altitude: Below 4000.0 ft		
53	FQM	N 41° 20' 18.81" W 76° 46' 29.52" 09 W	L	2098.0	114.40	FQM	Disabled
54	IHD	N 39° 58' 27.27" W 79° 21' 30.12" 06 W	L	2820.0	108.20	IHD	Disabled
55	LVZ	N 41° 16' 22.09" W 75° 41' 22.08" 10 W	L	2118.8	111.60	LVZ	Disabled
56	MIP	N 41° 1' 24.21" W 76° 39' 55.04" 09 W	L	1000.0	109.20	MIP	Disabled
57	MXE	N 39° 55' 5.00" W 75° 40' 14.91" 09 W	L	473.4	113.20	MXE	Disabled
58	REC	N 40° 32' 47.25" W 78° 44' 49.28" 09 W	L	2340.0	110.60	REC	Disabled
59	SFK	N 41° 41' 42.91" W 77° 25' 11.66" 08 W	L	1984.7	108.60	SFK	Disabled
60	SLT	N 41° 30' 45.93" W 77° 58' 12.39" 08 W	H	2310.0	113.90	SLT	Disabled

User Data (Continued)					<a href="#">Return To Summary</a>		
User DMEs (Continued)							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
61	TDT	N 41° 42' 46.91" W 79° 25' 2.17" 09 W	L	1710.0	117.60	TDT	Disabled
Restriction:		Bearing [True]: 32.0° to 42.0° Bearing [Mag]: 41.0° to 51.0°			Distance: Beyond 30.0 NM Altitude: Below 4000.0 ft		
Restriction:		Bearing [True]: 296.0° to 331.0° Bearing [Mag]: 305.0° to 340.0°			Distance: Beyond 24.0 NM Altitude: Below 3500.0 ft		
Restriction:		Bearing [True]: 331.0° to 356.0° Bearing [Mag]: 340.0° to 5.0°			Distance: Beyond 24.0 NM Altitude: Below 5000.0 ft		
62	THS	N 39° 55' 59.62" W 77° 57' 3.40" 07 W	L	2338.0	115.00	THS	Disabled
63	AUW	N 44° 50' 48.40" W 89° 35' 11.68" 02 E	L	1204.7	111.60	AUW	Disabled
Restriction:		Bearing [True]: 322.0° to 302.0° Bearing [Mag]: 320.0° to 300.0°			Distance: Beyond 30.0 NM Altitude: Below 3000.0 ft		
Restriction:		Bearing [True]: 302.0° to 322.0° Bearing [Mag]: 300.0° to 320.0°			Distance: Beyond 30.0 NM Altitude: Below 4000.0 ft		
64	JVL	N 42° 33' 28.83" W 89° 6' 18.93" 03 E	L	931.4	114.30	JVL	Disabled
65	LNR	N 43° 17' 39.85" W 90° 7' 59.33" 00 E	L	1184.6	112.80	LNR	Disabled
66	STE	N 44° 32' 35.69" W 89° 31' 50.02" 01 W	L	1110.0	110.60	STE	Disabled
Restriction:		Bearing [True]: 359.0° to 359.0° Bearing [Mag]: 360.0° to 360.0°			Distance: Beyond 35.0 NM Altitude: Below 3000.0 ft		
67	CKB	N 39° 15' 11.57" W 80° 16' 4.32" 04 W	L	1425.7	112.60	CKB	Disabled
68	ESL	N 39° 13' 31.77" W 78° 59' 22.20" 06 W	L	2590.0	110.80	ESL	Disabled
69	HNN	N 38° 45' 14.85" W 82° 1' 34.20" 03 W	H	880.0	115.90	HNN	Disabled
70	GRV	N 39° 38' 6.11" W 79° 3' 1.90" 06 W	L	2640.0	112.30	GRV	Disabled
Restriction:		Bearing [True]: 301.0° to 64.0° Bearing [Mag]: 307.0° to 70.0°			Distance: Beyond 20.0 NM Altitude: Below 5000.0 ft		
Restriction:		Bearing [True]: 65.0° to 300.0° Bearing [Mag]: 71.0° to 306.0°			Distance: Beyond 20.0 NM Altitude: Below 6000.0 ft		
Restriction:		Bearing [True]: 102.0° to 107.0° Bearing [Mag]: 108.0° to 113.0°			Distance: Beyond 38.0 NM Altitude: Below 99999.0 ft		
Restriction:		Bearing [True]: 319.0° to 339.0° Bearing [Mag]: 325.0° to 345.0°			Distance: Beyond 35.0 NM Altitude: Below 99999.0 ft		



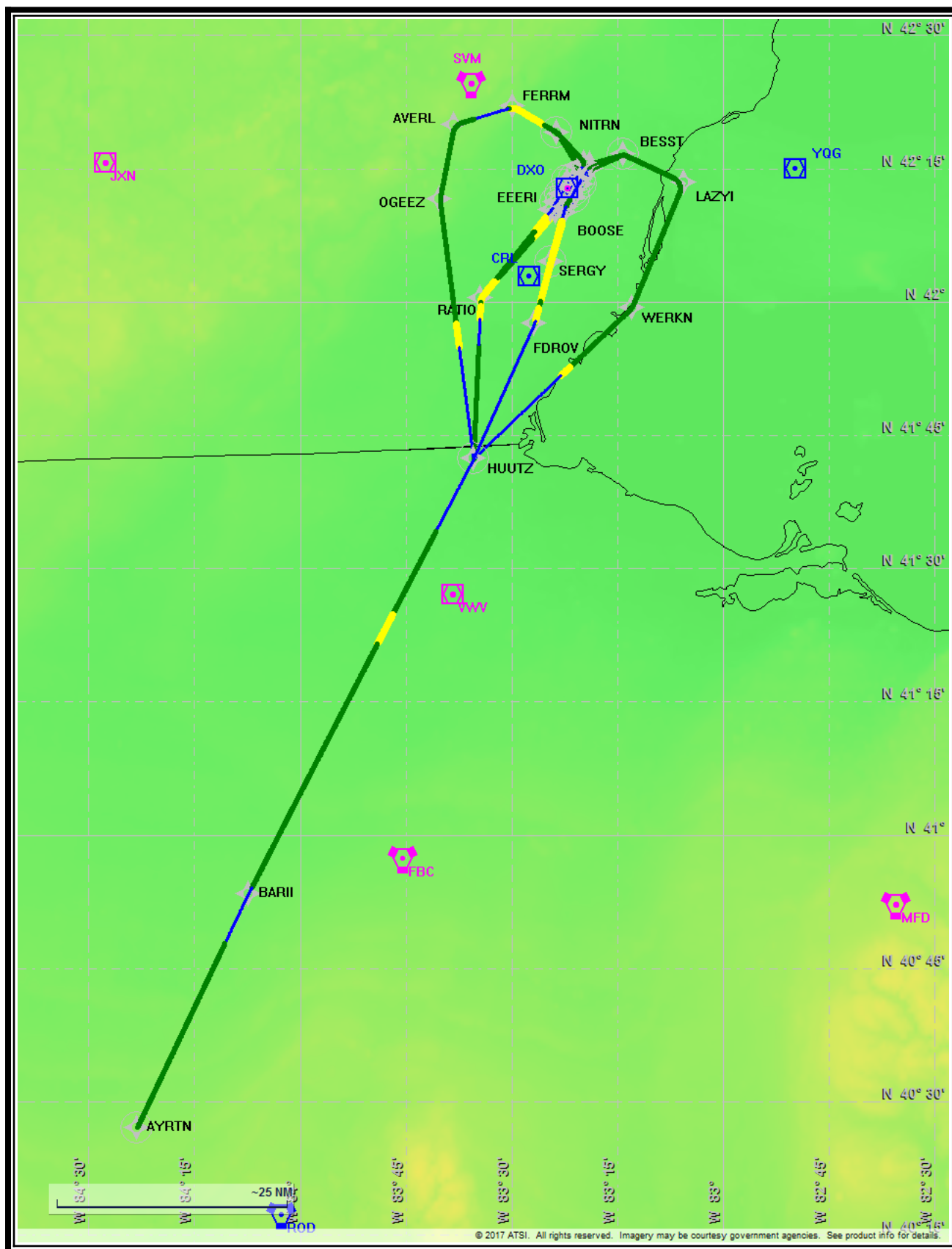
User Data (Continued)					<a href="#">Return To Summary</a>		
User DMEs (Continued)							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
71	DXO	N 42° 12' 47.29" W 83° 22' 0.00" 06 W	H	637.7	113.40	DXO	Not Used
Restriction:		Bearing [True]: 354.0° to 354.0° Bearing [Mag]: 360.0° to 360.0°			Distance: Beyond 30.0 NM Altitude: Below 2900.0 ft		
ESV:		Bearing [True]: 192.0° to 208.0° Bearing [Mag]: 198.0° to 214.0°			Arc Distance: Out to 50.0 NM Altitude: 5000.0 to 16000.0 ft		
72	JXN	N 42° 15' 33.27" W 84° 27' 30.77" 05 W	L	995.2	109.60	JXN	Not Used
Restriction:		Bearing [True]: 70.0° to 250.0° Bearing [Mag]: 75.0° to 255.0°			Distance: Beyond 10.0 NM Altitude: Below 3000.0 ft		
ESV:		Bearing [True]: 110.0° to 154.0° Bearing [Mag]: 115.0° to 159.0°			Arc Distance: Out to 63.0 NM Altitude: 8000.0 to 20000.0 ft		
ESV:		Bearing [True]: 150.0° to 213.0° Bearing [Mag]: 155.0° to 218.0°			Arc Distance: Out to 85.0 NM Altitude: 7800.0 to 20000.0 ft		
73	MFD	N 40° 52' 7.00" W 82° 35' 27.46" 03 W	L	1222.0	108.80	MFD	Not Used
Restriction:		Bearing [True]: 72.0° to 92.0° Bearing [Mag]: 75.0° to 95.0°			Distance: Beyond 0.0 NM Altitude: Below 99999.0 ft		
Restriction:		Bearing [True]: 148.0° to 211.0° Bearing [Mag]: 151.0° to 214.0°			Distance: Beyond 30.0 NM Altitude: Below 99999.0 ft		
ESV:		Bearing [True]: 297.0° to 314.0° Bearing [Mag]: 300.0° to 317.0°			Arc Distance: Out to 69.0 NM Altitude: 5300.0 to 20000.0 ft		
74	VWV	N 41° 27' 5.35" W 83° 38' 19.30" 02 W	L	664.2	113.10	VWV	Not Used
ESV:		Bearing [True]: 7.0° to 32.0° Bearing [Mag]: 9.0° to 34.0°			Arc Distance: Out to 47.0 NM Altitude: 2000.0 to 20000.0 ft		
75	SVM	N 42° 24' 31.09" W 83° 35' 38.05" 03 W	L	955.8	114.30	SVM	Used
ESV:		Bearing [True]: 171.0° to 192.0° Bearing [Mag]: 174.0° to 195.0°			Arc Distance: Out to 55.0 NM Altitude: 3900.0 to 20000.0 ft		



**Name:** Brent Comeaux  
**Project Name:** KDTW BARI1  
**Output File:** KDTW BARI1 SID RW04R HUUTZ 20171026\_0829  
**Procedure Name:** BARI1  
**Software:** RNAV-Pro™  
**Version:** 2.39  
**Date/Time:** 10/26/2017 8:35:04 AM  
**Input File:** [KDTW BARI1 SID RW04R HUUTZ 20170720\\_1121.txt](#)  
**Databases:** AIRNAV Date: 9/17/2017  
CIFP Date: 7/20/2017  
DTED® (MAX) Date: 2002

## Results Summary:

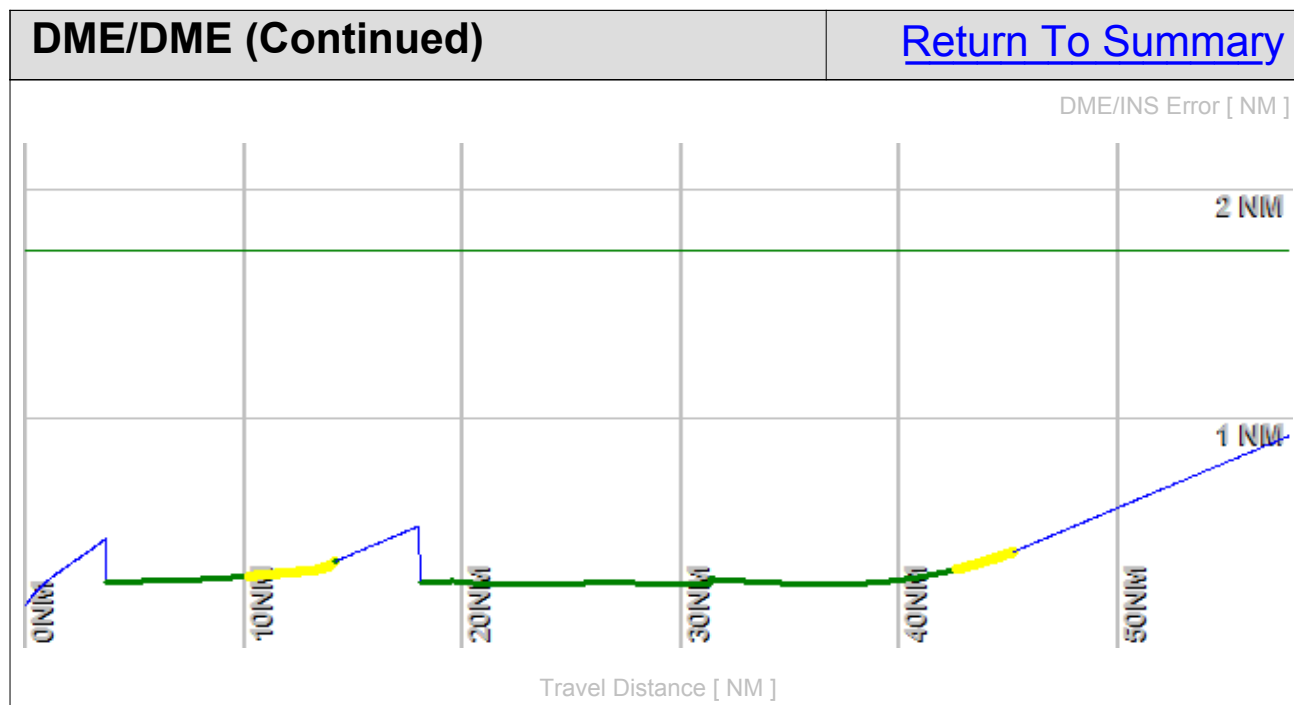
<b>Flyability</b>	✓	Please Check <b>Flyability</b> Results
<b>DME/DME</b>	✓	No Critical DMEs Exist
<b>Radars</b>	?	
<b>Comms</b>	?	
<b>TERPS</b>	?	



Flight Plan					<a href="#">Return To Summary</a>		
Name	Type	Lat/Lon	Alt [ft]	VNAV Mode	IAS [Kts]	Turn Type	Leg Type
RW04R(...	WP	N 42° 12' 12.78" W 83° 22' 13.32"	637.2	VNAV	0.0	Fly By	TF
RW22L(...	WP	N 42° 13' 52.36" W 83° 20' 59.97"	670.8	VNAV	130.0	Fly Over	VI
GH04R:	WP	N 42° 15' 37.77" W 83° 19' 42.24"	1670.1	VNAV	145.0	Fly By	CF - 320.1°
NITRN	WP	N 42° 19' 1.35" W 83° 23' 31.69"	2554.9	VNAV	145.0	Fly By	TF
FERRM	WP	N 42° 21' 58.09" W 83° 29' 45.62"	3651.0	VNAV	145.0	Fly By	TF
AVERL	WP	N 42° 19' 55.54" W 83° 38' 5.48"	4000.0	VNAV	145.0	Fly By	TF
OGEEZ	WP	N 42° 11' 31.27" W 83° 40' 9.80"	4000.0	VNAV	145.0	Fly By	TF
HUUTZ	WP	N 41° 42' 18.64" W 83° 35' 23.75"	4000.0	VNAV	145.0	Fly Over	TF
Climb Gradient: 500.0 ft/NM up to 1160.0 ft MSL							

Flyability		<a href="#">Return To Summary</a>
Settings:	<b>Flight Type:</b> Runway Departure <b>Selected Airport:</b> KDTW <b>Aircraft Category:</b> Cat D <b>Climb Gradient:</b> 500.0 ft/NM up to 1160.0 ft MSL <b>Ground Speeds:</b> Departure: <b>120.0 Kts</b> out to <b>10.0 NM</b> Table: <b>200.0 Kts</b> up to <b>11000.0 ft</b> <b>240.0 Kts</b> up to <b>18000.0 ft</b> <b>260.0 Kts</b> up to <b>24000.0 ft</b> <b>340.0 Kts</b> up to <b>99900.0 ft</b> <b>Wind Settings:</b> <i>None assigned</i> <b>Descent During a Turn:</b> Allowed <b>VNAV Mode:</b> Flight Plan	
	Required IAS at Fly-By WP FERRM could not be reached with given A/C acceleration performance.  Flight Track comes into contact with terrain. Minimum AGL along route was -55.06 Ft. Flight Track contacted terrain (DTED 0 MAX) between AER and DER or within 2/3 NM of DER.	

DME/DME	<a href="#">Return To Summary</a>
<b>Settings:</b>	<p> <b>RNP:</b> 2.0  <b>Flight Mode:</b> Manual  <b>Line of Sight (DTED Level 0 Max):</b> Evaluated  <b>DME Restrictions:</b> Evaluated  <b>Inertial Drift:</b> Enabled              <b>Initial Drift:</b> 0.165 NM              <b>INS Drift Rate:</b> 8.000 NM/Hour  <b>Range Mode:</b> OSV  <b>Co-Frequencies:</b> Evaluated  <b>RNP Edges:</b> Evaluated  <b>Min DME Range:</b> 3.0 NM  <b>Allowed Gap Length:</b> 4.0 NM  <b>DME Types:</b> VOR/DME, VORTAC, Standalone, and User  <b>DME Include Angles:</b> 30 to 150  <b>Critical DMEs:</b> Allowed  <b>DoD Facilities:</b> Not included  <b>Foreign Facilities:</b> Not included  <b>Low DMEs:</b> Included  <b>Terminal DMEs:</b> Included  <b>Flight Check DMEs:</b> Selected  <b>Higher Altitudes:</b> Evaluated  <b>Near Maximum Altitude:</b> Evaluated  <b>Minimum MSL DMEs Avail:</b> 1564 ft         </p>
<p> <b>Total Number of DMEs Used:</b> 5  <b>Maximum DME Error:</b> 0.925 NM.  <b>No Critical DMEs were found.</b>  <b>Available DMEs:</b> CRL, SVM, DXO, JXN, VWV  <b>Disabled DMEs:</b> LAN, ELX, GIJ, PMM, MKG, HIC, PLN, MNM, CTW, JFN, TVT, BDF, DNV, EON, PLL, PNT, RBS, SAM, UIN, VLA, BVT, GSH, ECB, EWO, FLM, YRK, BRD, DWN, HML, ODI, RST, CMK, DNY, GFL, GGT, HNK, HUO, LGA, HTO, MSS, PWL, RKA, SLK, UCA, ULW, CRI, AGC, BFD, CIP, ETG, FJC, FQM, IHD, LVZ, MIP, MXE, REC, SFK, SLT, TDT, THS, AUW, JVL, LNR, STE, CKB, ESL, HNN, and GRV  <b>Foreign DMEs within range:</b> YEE, YQG, YQO, YVV, YWT, YXU, YYZ         </p>	



DME/DME (Continued)							<a href="#">Return To Summary</a>		
DMEs Used									
#	Name	Lat/Lon/MAGVAR	Range	Source	Critical	Err. [NM]	Status	Time	Distance
1	SVM	N 42° 24' 31.09" W 83° 35' 38.05" 03 W	L + <a href="#">ESV</a>	User	NO	1.296	Enabled	49.7%	47.8%
2	CRL	N 42° 2' 52.90" W 83° 27' 27.30" 03 W	H	Database	NO	1.354	Enabled	47.2%	44.9%
3	DXO	N 42° 12' 47.29" W 83° 22' 0.00" 06 W	H + <a href="#">ESV</a>	User	NO	0.925	Enabled	10.0%	11.8%
4	JXN	N 42° 15' 33.27" W 84° 27' 30.77" 05 W	L + <a href="#">ESV</a>	User	NO	0.925	Enabled	9.5%	11.2%
5	VWV	N 41° 27' 5.35" W 83° 38' 19.30" 02 W	L + <a href="#">ESV</a>	User	NO	0.936	Enabled	12.5%	14.7%
	Total Coverage							64.5%	65.2%
Flight Check DME Selection									
Distance [NM]		Selected DMEs						Alternate	
0.0									
1.9		CRL							
3.5		CRL	DXO	SVM					
8.1		CRL	DXO	SVM					
13.0		CRL	DXO	SVM	JXN				
19.2		CRL	DXO	SVM	JXN				
28.1		CRL	VWV	DXO	SVM	JXN			
Inertial Drift Segments									
#	Start Location			End Location				Length [NM]	



Available DMEs by Waypoints		<a href="#">Return To Summary</a>
Waypoint Before	Waypoint After	DME List
RW04R(AER)	RW22L(DER)	
RW22L(DER)	GH04R:	CRL
GH04R:	NITRN	SVM, DXO, and CRL
NITRN	FERRM	SVM, DXO, and CRL
FERRM	AVERL	SVM, JXN, DXO, and CRL
AVERL	OGEEZ	SVM, JXN, DXO, and CRL
OGEEZ	HUUTZ	SVM, VWV, JXN, DXO, and CRL

User Data					<a href="#">Return To Summary</a>		
User Data Files							
#	File Name						
1	BARI1 New2.udt						
User DMEs							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	LAN	N 42° 43' 2.62" W 84° 41' 51.03" 05 W	L	887.4	110.80	LAN	Disabled
2	LFD	N 42° 3' 44.96" W 84° 45' 54.48" 05 W	L	1040.0	111.20	LFD	Not Used
Restriction:		Bearing [True]: 105.0° to 160.0° Bearing [Mag]: 110.0° to 165.0°			Distance: Beyond 35.0 NM Altitude: Below 3000.0 ft		
ESV:		Bearing [True]: 95.0° to 132.0° Bearing [Mag]: 100.0° to 137.0°			Arc Distance: Out to 70.0 NM Altitude: 5000.0 to 16000.0 ft		
3	ELX	N 42° 8' 39.88" W 86° 7' 21.74" 00 E	L	793.7	116.60	ELX	Disabled
4	GIJ	N 41° 46' 7.00" W 86° 19' 6.42" 00 E	H	802.7	115.40	GIJ	Disabled
Restriction:		Bearing [True]: 360.0° to 360.0° Bearing [Mag]: 360.0° to 360.0°			Distance: Beyond 35.0 NM Altitude: Below 3500.0 ft		
5	PMM	N 42° 27' 57.73" W 86° 6' 17.32" 00 E	H	639.9	112.10	PMM	Disabled
Restriction:		Bearing [True]: 360.0° to 360.0° Bearing [Mag]: 360.0° to 360.0°			Distance: Beyond 35.0 NM Altitude: Below 3000.0 ft		
6	MKG	N 43° 10' 9.31" W 86° 2' 21.76" 01 W	L	659.1	115.20	MKG	Disabled
Restriction:		Bearing [True]: 54.0° to 89.0° Bearing [Mag]: 55.0° to 90.0°			Distance: Beyond 10.0 NM Altitude: Below 4000.0 ft		
7	HIC	N 43° 34' 29.47" W 85° 42' 58.18" 01 W	L	920.0	117.60	HIC	Disabled
Restriction:		Bearing [True]: 19.0° to 89.0° Bearing [Mag]: 20.0° to 90.0°			Distance: Beyond 30.0 NM Altitude: Below 3000.0 ft		
Restriction:		Bearing [True]: 269.0° to 289.0° Bearing [Mag]: 270.0° to 290.0°			Distance: Beyond 35.0 NM Altitude: Below 3000.0 ft		
8	PLN	N 45° 37' 50.33" W 84° 39' 50.79" 06 W	L	835.3	111.80	PLN	Disabled
9	MNM	N 45° 10' 48.58" W 87° 38' 49.83" 00 E	L	650.1	109.60	MNM	Disabled
10	CTW	N 40° 13' 45.15" W 81° 28' 35.32" 07 W	L	1180.0	111.80	CTW	Disabled

User Data (Continued)					<a href="#">Return To Summary</a>		
User DMEs (Continued)							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
11	JFN	N 41° 45' 36.42" W 80° 44' 53.20" 05 W	L	896.3	115.20	JFN	Disabled
Restriction:		Bearing [True]: 226.0° to 255.0° Bearing [Mag]: 231.0° to 260.0°			Distance: Beyond 30.0 NM Altitude: Below 3500.0 ft		
Restriction:		Bearing [True]: 121.0° to 185.0° Bearing [Mag]: 126.0° to 190.0°			Distance: Beyond 20.0 NM Altitude: Below 3500.0 ft		
Restriction:		Bearing [True]: 186.0° to 225.0° Bearing [Mag]: 191.0° to 230.0°			Distance: Beyond 0.0 NM Altitude: Below 99999.0 ft		
Restriction:		Bearing [True]: 80.0° to 120.0° Bearing [Mag]: 85.0° to 125.0°			Distance: Beyond 35.0 NM Altitude: Below 3500.0 ft		
12	TVT	N 40° 27' 29.04" W 82° 7' 36.52" 03 W	L	1330.4	116.50	TVT	Disabled
13	BDF	N 41° 9' 35.03" W 89° 35' 16.34" 00 E	H	810.0	114.70	BDF	Disabled
14	DNV	N 40° 17' 37.56" W 87° 33' 26.14" 02 E	L	698.8	111.00	DNV	Disabled
15	EON	N 41° 16' 10.68" W 87° 47' 27.79" 02 E	L	688.7	113.20	EON	Disabled
16	PLL	N 41° 57' 56.31" W 89° 31' 27.19" 03 E	L	840.0	111.20	PLL	Disabled
17	PNT	N 40° 49' 16.32" W 88° 44' 0.63" 03 E	L	680.0	109.60	PNT	Disabled
18	RBS	N 40° 34' 54.13" W 88° 9' 51.36" 02 E	L	780.0	116.80	RBS	Disabled
19	SAM	N 38° 29' 6.68" W 88° 5' 8.90" 03 E	L	540.0	116.60	SAM	Disabled
20	UIN	N 39° 50' 52.35" W 91° 16' 44.13" 05 E	H	715.1	113.60	UIN	Disabled
21	VLA	N 39° 5' 37.82" W 89° 9' 44.08" 04 E	L	605.5	114.30	VLA	Disabled
22	BVT	N 40° 33' 22.22" W 87° 4' 9.75" 01 E	H	752.2	115.10	BVT	Disabled
Restriction:		Bearing [True]: 299.0° to 45.0° Bearing [Mag]: 298.0° to 44.0°			Distance: Beyond 0.0 NM Altitude: Below 2800.0 ft		

User Data (Continued)					<a href="#">Return To Summary</a>		
User DMEs (Continued)							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
23	GSH	N 41° 31' 30.56" W 86° 1' 40.63" 00 E	H	851.8	113.70	GSH	Disabled
Restriction:		Bearing [True]: 71.0° to 129.0° Bearing [Mag]: 71.0° to 129.0°			Distance: Beyond 0.0 NM Altitude: Below 99999.0 ft		
24	ECB	N 38° 9' 30.11" W 82° 54' 36.20" 02 W	L	1070.0	110.40	ECB	Disabled
25	EWO	N 37° 37' 54.52" W 85° 40' 33.16" 01 E	L	960.0	110.80	EWO	Disabled
26	FLM	N 38° 38' 57.99" W 84° 18' 38.17" 04 W	H	808.5	117.00	FLM	Disabled
27	YRK	N 38° 38' 38.88" W 82° 58' 42.02" 05 W	L	1040.0	112.80	YRK	Disabled
28	BRD	N 46° 20' 53.81" W 94° 1' 33.54" 03 E	H	1253.9	116.90	BRD	Disabled
Restriction:		Bearing [True]: 3.0° to 3.0° Bearing [Mag]: 360.0° to 360.0°			Distance: Beyond 29.0 NM Altitude: Below 3000.0 ft		
29	DWN	N 45° 5' 14.87" W 94° 27' 13.86" 07 E	L	1130.0	109.00	DWN	Disabled
30	HML	N 48° 52' 9.07" W 97° 7' 4.45" 09 E	H	797.4	112.40	HML	Disabled
Restriction:		Bearing [True]: 84.0° to 94.0° Bearing [Mag]: 75.0° to 85.0°			Distance: Beyond 0.0 NM Altitude: Below 10000.0 ft		
Restriction:		Bearing [True]: 95.0° to 263.0° Bearing [Mag]: 86.0° to 254.0°			Distance: Beyond 35.0 NM Altitude: Below 3000.0 ft		
Restriction:		Bearing [True]: 264.0° to 279.0° Bearing [Mag]: 255.0° to 270.0°			Distance: Beyond 0.0 NM Altitude: Below 99999.0 ft		
Restriction:		Bearing [True]: 280.0° to 83.0° Bearing [Mag]: 271.0° to 74.0°			Distance: Beyond 35.0 NM Altitude: Below 3000.0 ft		
31	ODI	N 43° 54' 44.38" W 91° 28' 3.06" 01 E	H	1282.2	117.90	ODI	Disabled
32	RST	N 43° 46' 58.45" W 92° 35' 49.06" 05 E	L	1393.0	112.00	RST	Disabled
33	CMK	N 41° 16' 48.32" W 73° 34' 52.77" 12 W	L	693.8	116.60	CMK	Disabled
34	DNY	N 42° 10' 41.81" W 74° 57' 24.99" 11 W	L	2560.0	112.10	DNY	Disabled

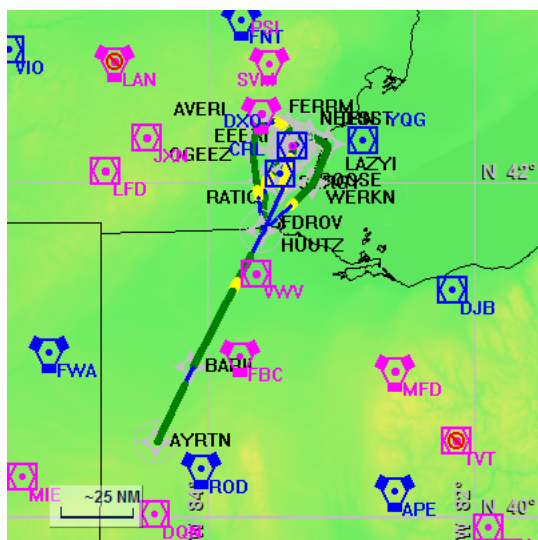
User Data (Continued)					<a href="#">Return To Summary</a>		
User DMEs (Continued)							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
35	GFL	N 43° 20' 30.09" W 73° 36' 42.32" 14 W	L	323.7	110.20	GFL	Disabled
Restriction:		Bearing [True]: 346.0° to 346.0° Bearing [Mag]: 360.0° to 360.0°			Distance: Beyond 0.0 NM Altitude: Below 9000.0 ft		
36	GGT	N 42° 47' 20.24" W 75° 49' 36.29" 11 W	L	2040.0	117.80	GGT	Disabled
37	HNK	N 42° 3' 47.00" W 75° 18' 58.62" 11 W	H	2070.0	116.80	HNK	Disabled
38	HUO	N 41° 24' 34.87" W 74° 35' 29.74" 11 W	H	1300.3	116.10	HUO	Disabled
39	LGA	N 40° 47' 1.38" W 73° 52' 6.96" 12 W	L	8.9	113.10	LGA	Disabled
Restriction:		Bearing [True]: 233.0° to 268.0° Bearing [Mag]: 245.0° to 280.0°			Distance: Beyond 25.0 NM Altitude: Below 6000.0 ft		
40	HTO	N 40° 55' 8.38" W 72° 19' 0.14" 13 W	H	22.0	113.60	HTO	Disabled
Restriction:		Bearing [True]: 267.0° to 312.0° Bearing [Mag]: 280.0° to 325.0°			Distance: Beyond 35.0 NM Altitude: Below 1700.0 ft		
Restriction:		Bearing [True]: 312.0° to 342.0° Bearing [Mag]: 325.0° to 355.0°			Distance: Beyond 30.0 NM Altitude: Below 2000.0 ft		
41	MSS	N 44° 54' 51.92" W 74° 43' 21.78" 14 W	H	197.5	114.10	MSS	Disabled
42	PWL	N 41° 46' 11.18" W 73° 36' 1.99" 12 W	L	1250.0	114.30	PWL	Disabled
43	RKA	N 42° 27' 58.91" W 75° 14' 21.51" 11 W	L	2027.2	112.60	RKA	Disabled
44	SLK	N 44° 23' 4.41" W 74° 12' 16.21" 14 W	L	1646.8	109.20	SLK	Disabled
45	UCA	N 43° 1' 35.45" W 75° 9' 52.28" 12 W	L	1420.0	111.20	UCA	Disabled
46	ULW	N 42° 5' 39.16" W 77° 1' 28.53" 12 W	L	1631.8	109.65	ULW	Disabled
47	CRI	N 40° 36' 44.90" W 73° 53' 40.00" 11 W	T	10.0	112.30	CRI	Disabled

User Data (Continued)					<a href="#">Return To Summary</a>		
User DMEs (Continued)							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
48	AGC	N 40° 16' 43.12" W 80° 2' 27.08" 09 W	L	1284.6	110.00	AGC	Disabled
49	BFD	N 41° 47' 10.99" W 78° 37' 9.65" 07 W	L	2110.6	116.60	BFD	Disabled
50	CIP	N 41° 8' 46.66" W 79° 27' 28.71" 06 W	L	1519.5	112.90	CIP	Disabled
51	ETG	N 41° 12' 53.82" W 78° 8' 33.92" 10 W	H	2250.0	116.00	ETG	Disabled
52	FJC	N 40° 43' 36.12" W 75° 27' 17.12" 10 W	L	680.6	117.50	FJC	Disabled
Restriction:		Bearing [True]: 290.0° to 50.0° Bearing [Mag]: 300.0° to 60.0°			Distance: Beyond 26.0 NM Altitude: Below 4500.0 ft		
Restriction:		Bearing [True]: 51.0° to 289.0° Bearing [Mag]: 61.0° to 299.0°			Distance: Beyond 30.0 NM Altitude: Below 4000.0 ft		
53	FQM	N 41° 20' 18.81" W 76° 46' 29.52" 09 W	L	2098.0	114.40	FQM	Disabled
54	IHD	N 39° 58' 27.27" W 79° 21' 30.12" 06 W	L	2820.0	108.20	IHD	Disabled
55	LVZ	N 41° 16' 22.09" W 75° 41' 22.08" 10 W	L	2118.8	111.60	LVZ	Disabled
56	MIP	N 41° 1' 24.21" W 76° 39' 55.04" 09 W	L	1000.0	109.20	MIP	Disabled
57	MXE	N 39° 55' 5.00" W 75° 40' 14.91" 09 W	L	473.4	113.20	MXE	Disabled
58	REC	N 40° 32' 47.25" W 78° 44' 49.28" 09 W	L	2340.0	110.60	REC	Disabled
59	SFK	N 41° 41' 42.91" W 77° 25' 11.66" 08 W	L	1984.7	108.60	SFK	Disabled
60	SLT	N 41° 30' 45.93" W 77° 58' 12.39" 08 W	H	2310.0	113.90	SLT	Disabled

User Data (Continued)					<a href="#">Return To Summary</a>		
User DMEs (Continued)							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
61	TDT	N 41° 42' 46.91" W 79° 25' 2.17" 09 W	L	1710.0	117.60	TDT	Disabled
Restriction:		Bearing [True]: 32.0° to 42.0° Bearing [Mag]: 41.0° to 51.0°			Distance: Beyond 30.0 NM Altitude: Below 4000.0 ft		
Restriction:		Bearing [True]: 296.0° to 331.0° Bearing [Mag]: 305.0° to 340.0°			Distance: Beyond 24.0 NM Altitude: Below 3500.0 ft		
Restriction:		Bearing [True]: 331.0° to 356.0° Bearing [Mag]: 340.0° to 5.0°			Distance: Beyond 24.0 NM Altitude: Below 5000.0 ft		
62	THS	N 39° 55' 59.62" W 77° 57' 3.40" 07 W	L	2338.0	115.00	THS	Disabled
63	AUW	N 44° 50' 48.40" W 89° 35' 11.68" 02 E	L	1204.7	111.60	AUW	Disabled
Restriction:		Bearing [True]: 322.0° to 302.0° Bearing [Mag]: 320.0° to 300.0°			Distance: Beyond 30.0 NM Altitude: Below 3000.0 ft		
Restriction:		Bearing [True]: 302.0° to 322.0° Bearing [Mag]: 300.0° to 320.0°			Distance: Beyond 30.0 NM Altitude: Below 4000.0 ft		
64	JVL	N 42° 33' 28.83" W 89° 6' 18.93" 03 E	L	931.4	114.30	JVL	Disabled
65	LNR	N 43° 17' 39.85" W 90° 7' 59.33" 00 E	L	1184.6	112.80	LNR	Disabled
66	STE	N 44° 32' 35.69" W 89° 31' 50.02" 01 W	L	1110.0	110.60	STE	Disabled
Restriction:		Bearing [True]: 359.0° to 359.0° Bearing [Mag]: 360.0° to 360.0°			Distance: Beyond 35.0 NM Altitude: Below 3000.0 ft		
67	CKB	N 39° 15' 11.57" W 80° 16' 4.32" 04 W	L	1425.7	112.60	CKB	Disabled
68	ESL	N 39° 13' 31.77" W 78° 59' 22.20" 06 W	L	2590.0	110.80	ESL	Disabled
69	HNN	N 38° 45' 14.85" W 82° 1' 34.20" 03 W	H	880.0	115.90	HNN	Disabled
70	GRV	N 39° 38' 6.11" W 79° 3' 1.90" 06 W	L	2640.0	112.30	GRV	Disabled
Restriction:		Bearing [True]: 301.0° to 64.0° Bearing [Mag]: 307.0° to 70.0°			Distance: Beyond 20.0 NM Altitude: Below 5000.0 ft		
Restriction:		Bearing [True]: 65.0° to 300.0° Bearing [Mag]: 71.0° to 306.0°			Distance: Beyond 20.0 NM Altitude: Below 6000.0 ft		
Restriction:		Bearing [True]: 102.0° to 107.0° Bearing [Mag]: 108.0° to 113.0°			Distance: Beyond 38.0 NM Altitude: Below 99999.0 ft		
Restriction:		Bearing [True]: 319.0° to 339.0° Bearing [Mag]: 325.0° to 345.0°			Distance: Beyond 35.0 NM Altitude: Below 99999.0 ft		

User Data (Continued)					<a href="#">Return To Summary</a>		
User DMEs (Continued)							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
71	DXO	N 42° 12' 47.29" W 83° 22' 0.00" 06 W	H	637.7	113.40	DXO	Used
Restriction:		Bearing [True]: 354.0° to 354.0° Bearing [Mag]: 360.0° to 360.0°			Distance: Beyond 30.0 NM Altitude: Below 2900.0 ft		
ESV:		Bearing [True]: 192.0° to 208.0° Bearing [Mag]: 198.0° to 214.0°			Arc Distance: Out to 50.0 NM Altitude: 5000.0 to 16000.0 ft		
72	JXN	N 42° 15' 33.27" W 84° 27' 30.77" 05 W	L	995.2	109.60	JXN	Used
Restriction:		Bearing [True]: 70.0° to 250.0° Bearing [Mag]: 75.0° to 255.0°			Distance: Beyond 10.0 NM Altitude: Below 3000.0 ft		
ESV:		Bearing [True]: 110.0° to 154.0° Bearing [Mag]: 115.0° to 159.0°			Arc Distance: Out to 63.0 NM Altitude: 8000.0 to 20000.0 ft		
ESV:		Bearing [True]: 150.0° to 213.0° Bearing [Mag]: 155.0° to 218.0°			Arc Distance: Out to 85.0 NM Altitude: 7800.0 to 20000.0 ft		
73	MFD	N 40° 52' 7.00" W 82° 35' 27.46" 03 W	L	1222.0	108.80	MFD	Not Used
Restriction:		Bearing [True]: 72.0° to 92.0° Bearing [Mag]: 75.0° to 95.0°			Distance: Beyond 0.0 NM Altitude: Below 99999.0 ft		
Restriction:		Bearing [True]: 148.0° to 211.0° Bearing [Mag]: 151.0° to 214.0°			Distance: Beyond 30.0 NM Altitude: Below 99999.0 ft		
ESV:		Bearing [True]: 297.0° to 314.0° Bearing [Mag]: 300.0° to 317.0°			Arc Distance: Out to 69.0 NM Altitude: 5300.0 to 20000.0 ft		
74	VWV	N 41° 27' 5.35" W 83° 38' 19.30" 02 W	L	664.2	113.10	VWV	Used
ESV:		Bearing [True]: 7.0° to 32.0° Bearing [Mag]: 9.0° to 34.0°			Arc Distance: Out to 47.0 NM Altitude: 2000.0 to 20000.0 ft		
75	SVM	N 42° 24' 31.09" W 83° 35' 38.05" 03 W	L	955.8	114.30	SVM	Used
ESV:		Bearing [True]: 171.0° to 192.0° Bearing [Mag]: 174.0° to 195.0°			Arc Distance: Out to 55.0 NM Altitude: 3900.0 to 20000.0 ft		

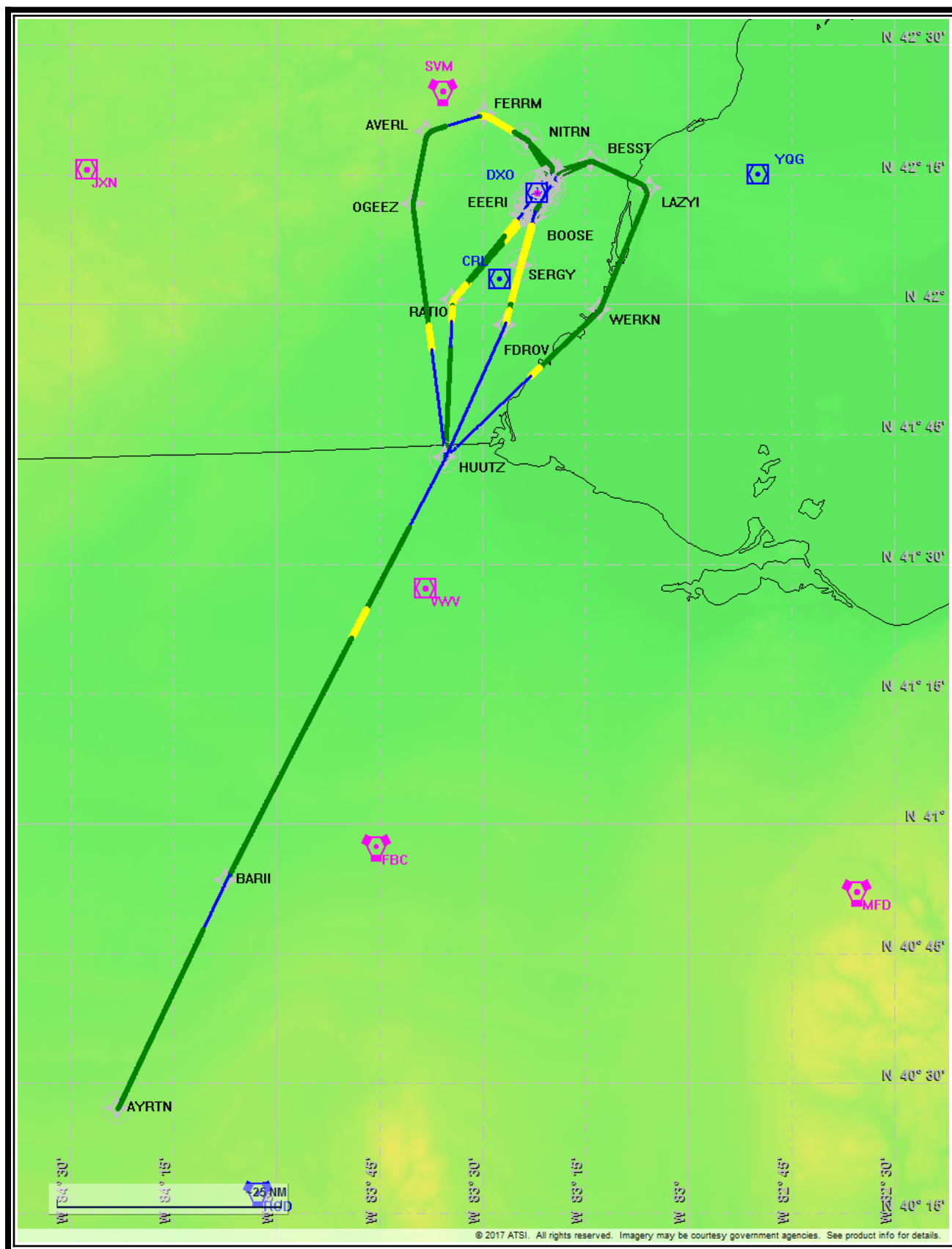




**Name:** Brent Comeaux  
**Project Name:** KDTW BARI1  
**Output File:** KDTW BARI1 SID RW21L SERGY 20171026\_0829  
**Procedure Name:** BARI1  
**Software:** RNAV-Pro™  
**Version:** 2.39  
**Date/Time:** 10/26/2017 8:31:51 AM  
**Input File:** [KDTW BARI1 SID RW21L SERGY 20170829\\_1506.txt](#)  
**Databases:** AIRNAV Date: 9/17/2017  
CIFP Date: 7/20/2017  
DTED® (MAX) Date: 2002

## Results Summary:

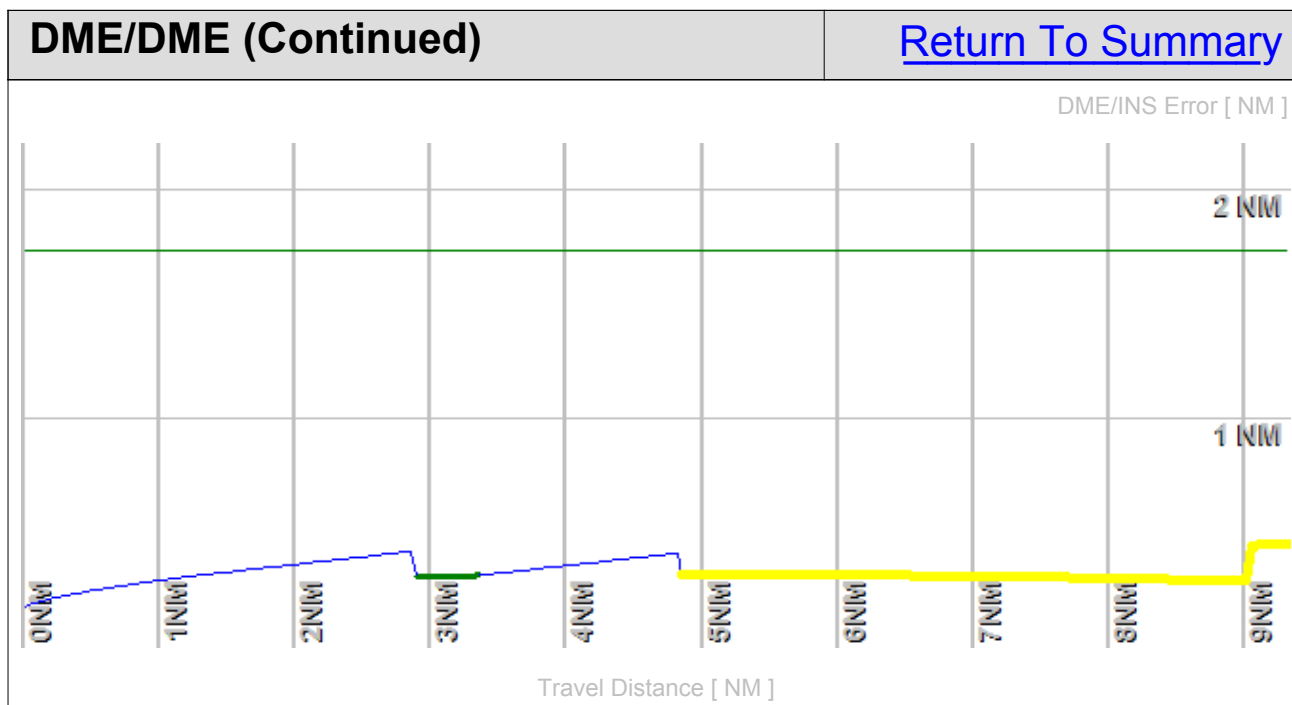
<b>Flyability</b>	✓	Please Check <b>Flyability</b> Results
<b>DME/DME</b>	✓	No Critical DMEs Exist
<b>Radars</b>	?	
<b>Comms</b>	?	
<b>TERPS</b>	?	



Flight Plan					<a href="#">Return To Summary</a>		
Name	Type	Lat/Lon	Alt [ft]	VNAV Mode	IAS [Kts]	Turn Type	Leg Type
RW21L(...	WP	N 42° 13' 10.86" W 83° 20' 2.65"	632.1	VNAV	0.0	Fly By	TF
RW03R(...	WP	N 42° 11' 44.21" W 83° 21' 6.49"	668.0	VNAV	130.0	Fly Over	VI
GH21L:	WP	N 42° 9' 58.56" W 83° 22' 24.27"	1666.5	VNAV	145.0	Fly By	CF - 195.5°
SERGY	WP	N 42° 4' 29.17" W 83° 24' 27.29"	2807.5	VNAV	145.0	Fly Over	TF
Climb Gradient: 500.0 ft/NM up to 1100.0 ft MSL							

Flyability		<a href="#">Return To Summary</a>
Settings:	<b>Flight Type:</b> Runway Departure <b>Selected Airport:</b> KDTW <b>Aircraft Category:</b> Cat D <b>Climb Gradient:</b> 500.0 ft/NM up to 1100.0 ft MSL <b>Ground Speeds:</b> Departure: <b>120.0 Kts</b> out to <b>10.0 NM</b> Table: <b>200.0 Kts</b> up to <b>11000.0 ft</b> <b>240.0 Kts</b> up to <b>18000.0 ft</b> <b>260.0 Kts</b> up to <b>24000.0 ft</b> <b>340.0 Kts</b> up to <b>99900.0 ft</b>  <b>Wind Settings:</b> <i>None assigned</i> <b>Descent During a Turn:</b> Allowed <b>VNAV Mode:</b> Flight Plan	
	Flight Track comes into contact with terrain. Minimum AGL along route was -53.64 Ft. Flight Track contacted terrain (DTED 0 MAX) between AER and DER or within 2/3 NM of DER.	

DME/DME	<a href="#">Return To Summary</a>
<b>Settings:</b>	<p> <b>RNP:</b> 2.0  <b>Flight Mode:</b> Manual  <b>Line of Sight (DTED Level 0 Max):</b> Evaluated  <b>DME Restrictions:</b> Evaluated  <b>Inertial Drift:</b> Enabled              <b>Initial Drift:</b> 0.165 NM              <b>INS Drift Rate:</b> 8.000 NM/Hour  <b>Range Mode:</b> OSV  <b>Co-Frequencies:</b> Evaluated  <b>RNP Edges:</b> Evaluated  <b>Min DME Range:</b> 3.0 NM  <b>Allowed Gap Length:</b> 4.0 NM  <b>DME Types:</b> VOR/DME, VORTAC, Standalone, and User  <b>DME Include Angles:</b> 30 to 150  <b>Critical DMEs:</b> Allowed  <b>DoD Facilities:</b> Not included  <b>Foreign Facilities:</b> Not included  <b>Low DMEs:</b> Included  <b>Terminal DMEs:</b> Included  <b>Flight Check DMEs:</b> Selected  <b>Higher Altitudes:</b> Evaluated  <b>Near Maximum Altitude:</b> Evaluated  <b>Minimum MSL DMEs Avail:</b> 1274 ft         </p>
<p> <b>Total Number of DMEs Used:</b> 4  <b>Maximum DME Error:</b> 0.452 NM.  <b>No Critical DMEs were found.</b>  <b>Available DMEs:</b> SVM, CRL, DXO, VWV  <b>Disabled DMEs:</b> LAN, ELX, GIJ, PMM, MKG, HIC, PLN, MNM, CTW, JFN, TVT, BDF, DNV, EON, PLL, PNT, RBS, SAM, UIN, VLA, BVT, GSH, ECB, EWO, FLM, YRK, BRD, DWN, HML, ODI, RST, CMK, DNY, GFL, GGT, HNK, HUO, LGA, HTO, MSS, PWL, RKA, SLK, UCA, ULW, CRI, AGC, BFD, CIP, ETG, FJC, FQM, IHD, LVZ, MIP, MXE, REC, SFK, SLT, TDT, THS, AUW, JVL, LNR, STE, CKB, ESL, HNN, and GRV  <b>Foreign DMEs within range:</b> YEE, YQG, YQO, YVV, YWT, YXU, YYZ         </p>	



DME/DME (Continued)						<a href="#">Return To Summary</a>			
DMEs Used									
#	Name	Lat/Lon/MAGVAR	Range	Source	Critical	Err. [NM]	Status	Time	Distance
1	SVM	N 42° 24' 31.09" W 83° 35' 38.05" 03 W	L + <a href="#">ESV</a>	User	NO	0.763	Enabled	48.2%	53.3%
2	CRL	N 42° 2' 52.90" W 83° 27' 27.30" 03 W	H	Database	NO	0.583	Enabled	45.3%	50.1%
3	DXO	N 42° 12' 47.29" W 83° 22' 0.00" 06 W	H + <a href="#">ESV</a>	User	NO	0.510	Enabled	0.0%	0.0%
4	VWV	N 41° 27' 5.35" W 83° 38' 19.30" 02 W	L + <a href="#">ESV</a>	User	NO	0.421	Enabled	2.9%	3.2%
	Total Coverage							48.2%	53.3%
Flight Check DME Selection									
Distance [NM]		Selected DMEs						Alternate	
0.0									
1.7		SVM	CRL						
3.6		SVM	CRL	DXO	VWV				
Inertial Drift Segments									
#	Start Location			End Location			Length [NM]		
1	N 42° 13' 10.86" W 83° 20' 2.65"			N 42° 10' 40.49" W 83° 21' 53.38"			2.9		
VOR: DET			Available from N 42° 13' 10.86" W 83° 20' 2.65" to N 42° 10' 40.49" W 83° 21' 53.38"						
VOR: CRL			Available from N 42° 13' 10.86" W 83° 20' 2.65" to N 42° 10' 40.49" W 83° 21' 53.38"						
VOR: YQG			Available from N 42° 13' 10.86" W 83° 20' 2.65" to N 42° 10' 40.49" W 83° 21' 53.38"						
VOR: DTW			Available from N 42° 13' 10.86" W 83° 20' 2.65" to N 42° 10' 40.49" W 83° 21' 53.38"						
VOR: YIP			Available from N 42° 13' 10.86" W 83° 20' 2.65" to N 42° 10' 40.49" W 83° 21' 53.38"						
VOR: SVM			Available from N 42° 13' 10.86" W 83° 20' 2.65" to N 42° 10' 40.49" W 83° 21' 53.38"						
VOR: PSI			Available from N 42° 13' 10.86" W 83° 20' 2.65" to N 42° 10' 40.49" W 83° 21' 53.38"						
VOR: DXO			Available from N 42° 13' 10.86" W 83° 20' 2.65" to N 42° 10' 40.49" W 83° 21' 53.38"						

DME/DME (Continued)			<a href="#">Return To Summary</a>
<i>Inertial Drift Segments (Continued)</i>			
#	Start Location	End Location	Length [NM]
2	N 42° 10' 14.17" W 83° 22' 12.76"	N 42° 8' 51.10" W 83° 22' 50.49"	1.5
	VOR: DET	Available from N 42° 10' 14.17" W 83° 22' 12.76" to N 42° 8' 51.10" W 83° 22' 50.49"	
	VOR: CRL	Available from N 42° 10' 14.17" W 83° 22' 12.76" to N 42° 8' 51.10" W 83° 22' 50.49"	
	VOR: YQG	Available from N 42° 10' 14.17" W 83° 22' 12.76" to N 42° 8' 51.10" W 83° 22' 50.49"	
	VOR: DTW	Available from N 42° 10' 14.17" W 83° 22' 12.76" to N 42° 8' 51.10" W 83° 22' 50.49"	
	VOR: YIP	Available from N 42° 10' 14.17" W 83° 22' 12.76" to N 42° 8' 51.10" W 83° 22' 50.49"	
	VOR: SVM	Available from N 42° 10' 14.17" W 83° 22' 12.76" to N 42° 8' 51.10" W 83° 22' 50.49"	
	VOR: PSI	Available from N 42° 10' 14.17" W 83° 22' 12.76" to N 42° 8' 51.10" W 83° 22' 50.49"	
	VOR: DXO	Available from N 42° 10' 14.17" W 83° 22' 12.76" to N 42° 8' 51.10" W 83° 22' 50.49"	



Available DMEs by Waypoints		<a href="#">Return To Summary</a>
Waypoint Before	Waypoint After	DME List
RW21L(AER)	RW03R(DER)	
RW03R(DER)	GH21L:	SVM and CRL
GH21L:	SERGY	SVM, VWV, DXO, and CRL

User Data					<a href="#">Return To Summary</a>		
User Data Files							
#	File Name						
1	BARI1 New2.udt						
User DMEs							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	LAN	N 42° 43' 2.62" W 84° 41' 51.03" 05 W	L	887.4	110.80	LAN	Disabled
2	LFD	N 42° 3' 44.96" W 84° 45' 54.48" 05 W	L	1040.0	111.20	LFD	Not Used
Restriction:		Bearing [True]: 105.0° to 160.0° Bearing [Mag]: 110.0° to 165.0°			Distance: Beyond 35.0 NM Altitude: Below 3000.0 ft		
ESV:		Bearing [True]: 95.0° to 132.0° Bearing [Mag]: 100.0° to 137.0°			Arc Distance: Out to 70.0 NM Altitude: 5000.0 to 16000.0 ft		
3	ELX	N 42° 8' 39.88" W 86° 7' 21.74" 00 E	L	793.7	116.60	ELX	Disabled
4	GIJ	N 41° 46' 7.00" W 86° 19' 6.42" 00 E	H	802.7	115.40	GIJ	Disabled
Restriction:		Bearing [True]: 360.0° to 360.0° Bearing [Mag]: 360.0° to 360.0°			Distance: Beyond 35.0 NM Altitude: Below 3500.0 ft		
5	PMM	N 42° 27' 57.73" W 86° 6' 17.32" 00 E	H	639.9	112.10	PMM	Disabled
Restriction:		Bearing [True]: 360.0° to 360.0° Bearing [Mag]: 360.0° to 360.0°			Distance: Beyond 35.0 NM Altitude: Below 3000.0 ft		
6	MKG	N 43° 10' 9.31" W 86° 2' 21.76" 01 W	L	659.1	115.20	MKG	Disabled
Restriction:		Bearing [True]: 54.0° to 89.0° Bearing [Mag]: 55.0° to 90.0°			Distance: Beyond 10.0 NM Altitude: Below 4000.0 ft		
7	HIC	N 43° 34' 29.47" W 85° 42' 58.18" 01 W	L	920.0	117.60	HIC	Disabled
Restriction:		Bearing [True]: 19.0° to 89.0° Bearing [Mag]: 20.0° to 90.0°			Distance: Beyond 30.0 NM Altitude: Below 3000.0 ft		
Restriction:		Bearing [True]: 269.0° to 289.0° Bearing [Mag]: 270.0° to 290.0°			Distance: Beyond 35.0 NM Altitude: Below 3000.0 ft		
8	PLN	N 45° 37' 50.33" W 84° 39' 50.79" 06 W	L	835.3	111.80	PLN	Disabled
9	MNM	N 45° 10' 48.58" W 87° 38' 49.83" 00 E	L	650.1	109.60	MNM	Disabled
10	CTW	N 40° 13' 45.15" W 81° 28' 35.32" 07 W	L	1180.0	111.80	CTW	Disabled

User Data (Continued)					<a href="#">Return To Summary</a>		
User DMEs (Continued)							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
11	JFN	N 41° 45' 36.42" W 80° 44' 53.20" 05 W	L	896.3	115.20	JFN	Disabled
Restriction:		Bearing [True]: 226.0° to 255.0° Bearing [Mag]: 231.0° to 260.0°			Distance: Beyond 30.0 NM Altitude: Below 3500.0 ft		
Restriction:		Bearing [True]: 121.0° to 185.0° Bearing [Mag]: 126.0° to 190.0°			Distance: Beyond 20.0 NM Altitude: Below 3500.0 ft		
Restriction:		Bearing [True]: 186.0° to 225.0° Bearing [Mag]: 191.0° to 230.0°			Distance: Beyond 0.0 NM Altitude: Below 99999.0 ft		
Restriction:		Bearing [True]: 80.0° to 120.0° Bearing [Mag]: 85.0° to 125.0°			Distance: Beyond 35.0 NM Altitude: Below 3500.0 ft		
12	TVT	N 40° 27' 29.04" W 82° 7' 36.52" 03 W	L	1330.4	116.50	TVT	Disabled
13	BDF	N 41° 9' 35.03" W 89° 35' 16.34" 00 E	H	810.0	114.70	BDF	Disabled
14	DNV	N 40° 17' 37.56" W 87° 33' 26.14" 02 E	L	698.8	111.00	DNV	Disabled
15	EON	N 41° 16' 10.68" W 87° 47' 27.79" 02 E	L	688.7	113.20	EON	Disabled
16	PLL	N 41° 57' 56.31" W 89° 31' 27.19" 03 E	L	840.0	111.20	PLL	Disabled
17	PNT	N 40° 49' 16.32" W 88° 44' 0.63" 03 E	L	680.0	109.60	PNT	Disabled
18	RBS	N 40° 34' 54.13" W 88° 9' 51.36" 02 E	L	780.0	116.80	RBS	Disabled
19	SAM	N 38° 29' 6.68" W 88° 5' 8.90" 03 E	L	540.0	116.60	SAM	Disabled
20	UIN	N 39° 50' 52.35" W 91° 16' 44.13" 05 E	H	715.1	113.60	UIN	Disabled
21	VLA	N 39° 5' 37.82" W 89° 9' 44.08" 04 E	L	605.5	114.30	VLA	Disabled
22	BVT	N 40° 33' 22.22" W 87° 4' 9.75" 01 E	H	752.2	115.10	BVT	Disabled
Restriction:		Bearing [True]: 299.0° to 45.0° Bearing [Mag]: 298.0° to 44.0°			Distance: Beyond 0.0 NM Altitude: Below 2800.0 ft		

User Data (Continued)					<a href="#">Return To Summary</a>		
User DMEs (Continued)							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
23	GSH	N 41° 31' 30.56" W 86° 1' 40.63" 00 E	H	851.8	113.70	GSH	Disabled
Restriction:		Bearing [True]: 71.0° to 129.0° Bearing [Mag]: 71.0° to 129.0°			Distance: Beyond 0.0 NM Altitude: Below 99999.0 ft		
24	ECB	N 38° 9' 30.11" W 82° 54' 36.20" 02 W	L	1070.0	110.40	ECB	Disabled
25	EWO	N 37° 37' 54.52" W 85° 40' 33.16" 01 E	L	960.0	110.80	EWO	Disabled
26	FLM	N 38° 38' 57.99" W 84° 18' 38.17" 04 W	H	808.5	117.00	FLM	Disabled
27	YRK	N 38° 38' 38.88" W 82° 58' 42.02" 05 W	L	1040.0	112.80	YRK	Disabled
28	BRD	N 46° 20' 53.81" W 94° 1' 33.54" 03 E	H	1253.9	116.90	BRD	Disabled
Restriction:		Bearing [True]: 3.0° to 3.0° Bearing [Mag]: 360.0° to 360.0°			Distance: Beyond 29.0 NM Altitude: Below 3000.0 ft		
29	DWN	N 45° 5' 14.87" W 94° 27' 13.86" 07 E	L	1130.0	109.00	DWN	Disabled
30	HML	N 48° 52' 9.07" W 97° 7' 4.45" 09 E	H	797.4	112.40	HML	Disabled
Restriction:		Bearing [True]: 84.0° to 94.0° Bearing [Mag]: 75.0° to 85.0°			Distance: Beyond 0.0 NM Altitude: Below 10000.0 ft		
Restriction:		Bearing [True]: 95.0° to 263.0° Bearing [Mag]: 86.0° to 254.0°			Distance: Beyond 35.0 NM Altitude: Below 3000.0 ft		
Restriction:		Bearing [True]: 264.0° to 279.0° Bearing [Mag]: 255.0° to 270.0°			Distance: Beyond 0.0 NM Altitude: Below 99999.0 ft		
Restriction:		Bearing [True]: 280.0° to 83.0° Bearing [Mag]: 271.0° to 74.0°			Distance: Beyond 35.0 NM Altitude: Below 3000.0 ft		
31	ODI	N 43° 54' 44.38" W 91° 28' 3.06" 01 E	H	1282.2	117.90	ODI	Disabled
32	RST	N 43° 46' 58.45" W 92° 35' 49.06" 05 E	L	1393.0	112.00	RST	Disabled
33	CMK	N 41° 16' 48.32" W 73° 34' 52.77" 12 W	L	693.8	116.60	CMK	Disabled
34	DNY	N 42° 10' 41.81" W 74° 57' 24.99" 11 W	L	2560.0	112.10	DNY	Disabled

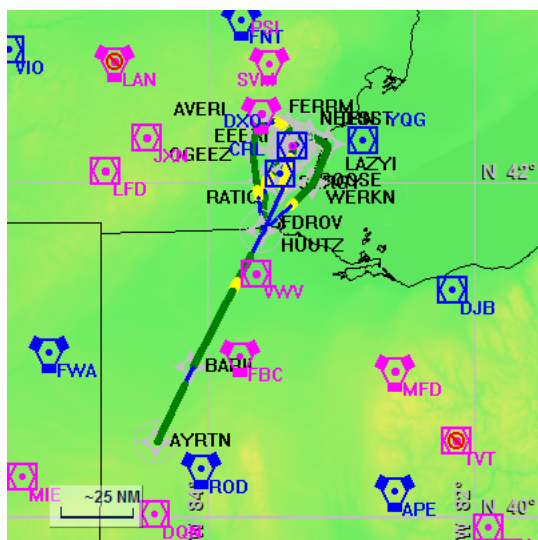
User Data (Continued)					<a href="#">Return To Summary</a>		
User DMEs (Continued)							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
35	GFL	N 43° 20' 30.09" W 73° 36' 42.32" 14 W	L	323.7	110.20	GFL	Disabled
Restriction:		Bearing [True]: 346.0° to 346.0° Bearing [Mag]: 360.0° to 360.0°			Distance: Beyond 0.0 NM Altitude: Below 9000.0 ft		
36	GGT	N 42° 47' 20.24" W 75° 49' 36.29" 11 W	L	2040.0	117.80	GGT	Disabled
37	HNK	N 42° 3' 47.00" W 75° 18' 58.62" 11 W	H	2070.0	116.80	HNK	Disabled
38	HUO	N 41° 24' 34.87" W 74° 35' 29.74" 11 W	H	1300.3	116.10	HUO	Disabled
39	LGA	N 40° 47' 1.38" W 73° 52' 6.96" 12 W	L	8.9	113.10	LGA	Disabled
Restriction:		Bearing [True]: 233.0° to 268.0° Bearing [Mag]: 245.0° to 280.0°			Distance: Beyond 25.0 NM Altitude: Below 6000.0 ft		
40	HTO	N 40° 55' 8.38" W 72° 19' 0.14" 13 W	H	22.0	113.60	HTO	Disabled
Restriction:		Bearing [True]: 267.0° to 312.0° Bearing [Mag]: 280.0° to 325.0°			Distance: Beyond 35.0 NM Altitude: Below 1700.0 ft		
Restriction:		Bearing [True]: 312.0° to 342.0° Bearing [Mag]: 325.0° to 355.0°			Distance: Beyond 30.0 NM Altitude: Below 2000.0 ft		
41	MSS	N 44° 54' 51.92" W 74° 43' 21.78" 14 W	H	197.5	114.10	MSS	Disabled
42	PWL	N 41° 46' 11.18" W 73° 36' 1.99" 12 W	L	1250.0	114.30	PWL	Disabled
43	RKA	N 42° 27' 58.91" W 75° 14' 21.51" 11 W	L	2027.2	112.60	RKA	Disabled
44	SLK	N 44° 23' 4.41" W 74° 12' 16.21" 14 W	L	1646.8	109.20	SLK	Disabled
45	UCA	N 43° 1' 35.45" W 75° 9' 52.28" 12 W	L	1420.0	111.20	UCA	Disabled
46	ULW	N 42° 5' 39.16" W 77° 1' 28.53" 12 W	L	1631.8	109.65	ULW	Disabled
47	CRI	N 40° 36' 44.90" W 73° 53' 40.00" 11 W	T	10.0	112.30	CRI	Disabled

User Data (Continued)					<a href="#">Return To Summary</a>		
User DMEs (Continued)							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
48	AGC	N 40° 16' 43.12" W 80° 2' 27.08" 09 W	L	1284.6	110.00	AGC	Disabled
49	BFD	N 41° 47' 10.99" W 78° 37' 9.65" 07 W	L	2110.6	116.60	BFD	Disabled
50	CIP	N 41° 8' 46.66" W 79° 27' 28.71" 06 W	L	1519.5	112.90	CIP	Disabled
51	ETG	N 41° 12' 53.82" W 78° 8' 33.92" 10 W	H	2250.0	116.00	ETG	Disabled
52	FJC	N 40° 43' 36.12" W 75° 27' 17.12" 10 W	L	680.6	117.50	FJC	Disabled
Restriction:		Bearing [True]: 290.0° to 50.0° Bearing [Mag]: 300.0° to 60.0°			Distance: Beyond 26.0 NM Altitude: Below 4500.0 ft		
Restriction:		Bearing [True]: 51.0° to 289.0° Bearing [Mag]: 61.0° to 299.0°			Distance: Beyond 30.0 NM Altitude: Below 4000.0 ft		
53	FQM	N 41° 20' 18.81" W 76° 46' 29.52" 09 W	L	2098.0	114.40	FQM	Disabled
54	IHD	N 39° 58' 27.27" W 79° 21' 30.12" 06 W	L	2820.0	108.20	IHD	Disabled
55	LVZ	N 41° 16' 22.09" W 75° 41' 22.08" 10 W	L	2118.8	111.60	LVZ	Disabled
56	MIP	N 41° 1' 24.21" W 76° 39' 55.04" 09 W	L	1000.0	109.20	MIP	Disabled
57	MXE	N 39° 55' 5.00" W 75° 40' 14.91" 09 W	L	473.4	113.20	MXE	Disabled
58	REC	N 40° 32' 47.25" W 78° 44' 49.28" 09 W	L	2340.0	110.60	REC	Disabled
59	SFK	N 41° 41' 42.91" W 77° 25' 11.66" 08 W	L	1984.7	108.60	SFK	Disabled
60	SLT	N 41° 30' 45.93" W 77° 58' 12.39" 08 W	H	2310.0	113.90	SLT	Disabled

User Data (Continued)					<a href="#">Return To Summary</a>		
User DMEs (Continued)							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
61	TDT	N 41° 42' 46.91" W 79° 25' 2.17" 09 W	L	1710.0	117.60	TDT	Disabled
Restriction:		Bearing [True]: 32.0° to 42.0° Bearing [Mag]: 41.0° to 51.0°			Distance: Beyond 30.0 NM Altitude: Below 4000.0 ft		
Restriction:		Bearing [True]: 296.0° to 331.0° Bearing [Mag]: 305.0° to 340.0°			Distance: Beyond 24.0 NM Altitude: Below 3500.0 ft		
Restriction:		Bearing [True]: 331.0° to 356.0° Bearing [Mag]: 340.0° to 5.0°			Distance: Beyond 24.0 NM Altitude: Below 5000.0 ft		
62	THS	N 39° 55' 59.62" W 77° 57' 3.40" 07 W	L	2338.0	115.00	THS	Disabled
63	AUW	N 44° 50' 48.40" W 89° 35' 11.68" 02 E	L	1204.7	111.60	AUW	Disabled
Restriction:		Bearing [True]: 322.0° to 302.0° Bearing [Mag]: 320.0° to 300.0°			Distance: Beyond 30.0 NM Altitude: Below 3000.0 ft		
Restriction:		Bearing [True]: 302.0° to 322.0° Bearing [Mag]: 300.0° to 320.0°			Distance: Beyond 30.0 NM Altitude: Below 4000.0 ft		
64	JVL	N 42° 33' 28.83" W 89° 6' 18.93" 03 E	L	931.4	114.30	JVL	Disabled
65	LNR	N 43° 17' 39.85" W 90° 7' 59.33" 00 E	L	1184.6	112.80	LNR	Disabled
66	STE	N 44° 32' 35.69" W 89° 31' 50.02" 01 W	L	1110.0	110.60	STE	Disabled
Restriction:		Bearing [True]: 359.0° to 359.0° Bearing [Mag]: 360.0° to 360.0°			Distance: Beyond 35.0 NM Altitude: Below 3000.0 ft		
67	CKB	N 39° 15' 11.57" W 80° 16' 4.32" 04 W	L	1425.7	112.60	CKB	Disabled
68	ESL	N 39° 13' 31.77" W 78° 59' 22.20" 06 W	L	2590.0	110.80	ESL	Disabled
69	HNN	N 38° 45' 14.85" W 82° 1' 34.20" 03 W	H	880.0	115.90	HNN	Disabled
70	GRV	N 39° 38' 6.11" W 79° 3' 1.90" 06 W	L	2640.0	112.30	GRV	Disabled
Restriction:		Bearing [True]: 301.0° to 64.0° Bearing [Mag]: 307.0° to 70.0°			Distance: Beyond 20.0 NM Altitude: Below 5000.0 ft		
Restriction:		Bearing [True]: 65.0° to 300.0° Bearing [Mag]: 71.0° to 306.0°			Distance: Beyond 20.0 NM Altitude: Below 6000.0 ft		
Restriction:		Bearing [True]: 102.0° to 107.0° Bearing [Mag]: 108.0° to 113.0°			Distance: Beyond 38.0 NM Altitude: Below 99999.0 ft		
Restriction:		Bearing [True]: 319.0° to 339.0° Bearing [Mag]: 325.0° to 345.0°			Distance: Beyond 35.0 NM Altitude: Below 99999.0 ft		

User Data (Continued)					<a href="#">Return To Summary</a>		
User DMEs (Continued)							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
71	DXO	N 42° 12' 47.29" W 83° 22' 0.00" 06 W	H	637.7	113.40	DXO	Used
Restriction:		Bearing [True]: 354.0° to 354.0° Bearing [Mag]: 360.0° to 360.0°			Distance: Beyond 30.0 NM Altitude: Below 2900.0 ft		
ESV:		Bearing [True]: 192.0° to 208.0° Bearing [Mag]: 198.0° to 214.0°			Arc Distance: Out to 50.0 NM Altitude: 5000.0 to 16000.0 ft		
72	JXN	N 42° 15' 33.27" W 84° 27' 30.77" 05 W	L	995.2	109.60	JXN	Not Used
Restriction:		Bearing [True]: 70.0° to 250.0° Bearing [Mag]: 75.0° to 255.0°			Distance: Beyond 10.0 NM Altitude: Below 3000.0 ft		
ESV:		Bearing [True]: 110.0° to 154.0° Bearing [Mag]: 115.0° to 159.0°			Arc Distance: Out to 63.0 NM Altitude: 8000.0 to 20000.0 ft		
ESV:		Bearing [True]: 150.0° to 213.0° Bearing [Mag]: 155.0° to 218.0°			Arc Distance: Out to 85.0 NM Altitude: 7800.0 to 20000.0 ft		
73	MFD	N 40° 52' 7.00" W 82° 35' 27.46" 03 W	L	1222.0	108.80	MFD	Not Used
Restriction:		Bearing [True]: 72.0° to 92.0° Bearing [Mag]: 75.0° to 95.0°			Distance: Beyond 0.0 NM Altitude: Below 99999.0 ft		
Restriction:		Bearing [True]: 148.0° to 211.0° Bearing [Mag]: 151.0° to 214.0°			Distance: Beyond 30.0 NM Altitude: Below 99999.0 ft		
ESV:		Bearing [True]: 297.0° to 314.0° Bearing [Mag]: 300.0° to 317.0°			Arc Distance: Out to 69.0 NM Altitude: 5300.0 to 20000.0 ft		
74	VWV	N 41° 27' 5.35" W 83° 38' 19.30" 02 W	L	664.2	113.10	VWV	Used
ESV:		Bearing [True]: 7.0° to 32.0° Bearing [Mag]: 9.0° to 34.0°			Arc Distance: Out to 47.0 NM Altitude: 2000.0 to 20000.0 ft		
75	SVM	N 42° 24' 31.09" W 83° 35' 38.05" 03 W	L	955.8	114.30	SVM	Used
ESV:		Bearing [True]: 171.0° to 192.0° Bearing [Mag]: 174.0° to 195.0°			Arc Distance: Out to 55.0 NM Altitude: 3900.0 to 20000.0 ft		

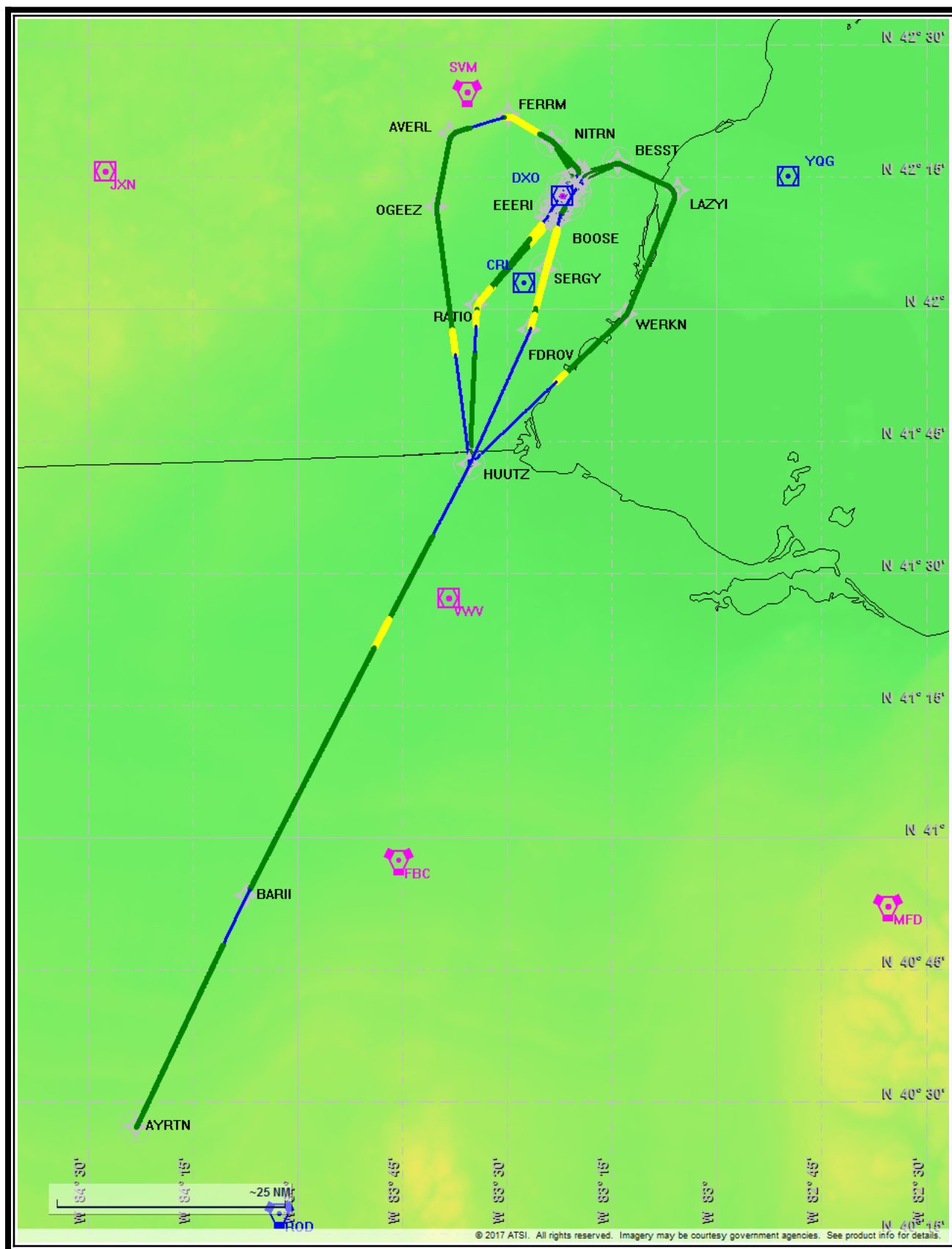




**Name:** Brent Comeaux  
**Project Name:** KDTW BARI1  
**Output File:** KDTW BARI1 SID RW21R  
AYRTN 20171026\_0829  
**Procedure Name:** BARI1  
**Software:** RNAV-Pro™  
**Version:** 2.39  
**Date/Time:** 10/26/2017 8:35:52 AM  
**Input File:** [KDTW BARI1 SID RW21R  
AYRTN 20170720\\_1100.txt](#)  
**Databases:** AIRNAV Date: 9/17/2017  
CIFP Date: 7/20/2017  
DTED® (MAX) Date: 2002

## Results Summary:

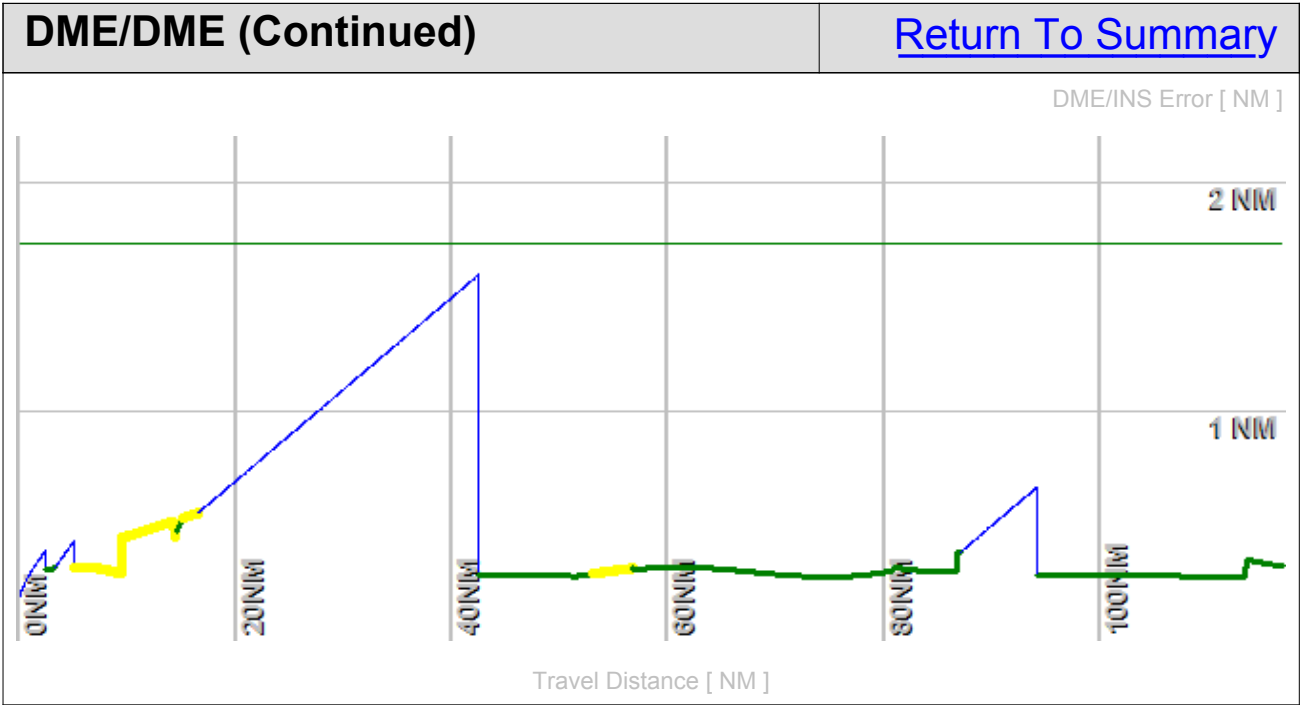
<b>Flyability</b>	✓	Please Check <b>Flyability</b> Results
<b>DME/DME</b>	✓	No Critical DMEs Exist
<b>Radars</b>	?	
<b>Comms</b>	?	
<b>TERPS</b>	?	



Flight Plan					<a href="#">Return To Summary</a>		
Name	Type	Lat/Lon	Alt [ft]	VNAV Mode	IAS [Kts]	Turn Type	Leg Type
RW21R(...	WP	N 42° 13' 41.85" W 83° 20' 10.12"	631.6	VNAV	0.0	Fly By	TF
RW03L(...	WP	N 42° 12' 28.21" W 83° 21' 4.39"	670.9	VNAV	130.0	Fly Over	VI
GH21R:	WP	N 42° 10' 42.14" W 83° 22' 22.48"	1672.9	VNAV	145.0	Fly By	CF - 194.0°
SERGY	WP	N 42° 4' 29.17" W 83° 24' 27.29"	2955.7	VNAV	145.0	Fly By	TF
FDROV	WP	N 41° 57' 31.95" W 83° 26' 45.35"	4000.0	VNAV	145.0	Fly By	TF
HUUTZ	WP	N 41° 42' 18.64" W 83° 35' 23.75"	4000.0	VNAV	145.0	Fly By	TF
BARII	WP	N 40° 53' 22.50" W 84° 7' 19.69"	10000.0	VNAV	145.0	Fly By	TF
AYRTN	WP	N 40° 27' 4.65" W 84° 23' 6.73"	10000.0	VNAV	180.0	Fly Over	TF
Climb Gradient: 500.0 ft/NM up to 1160.0 ft MSL							

Flyability		<a href="#">Return To Summary</a>
Settings:	<b>Flight Type:</b> Runway Departure <b>Selected Airport:</b> KDTW <b>Aircraft Category:</b> Cat D <b>Climb Gradient:</b> 500.0 ft/NM up to 1160.0 ft MSL <b>Ground Speeds:</b> Departure: <b>120.0 Kts</b> out to <b>10.0 NM</b> Table: <b>200.0 Kts</b> up to <b>11000.0 ft</b> <b>240.0 Kts</b> up to <b>18000.0 ft</b> <b>260.0 Kts</b> up to <b>24000.0 ft</b> <b>340.0 Kts</b> up to <b>99900.0 ft</b>  <b>Wind Settings:</b> <i>None assigned</i> <b>Descent During a Turn:</b> Allowed <b>VNAV Mode:</b> Flight Plan	
	Flight Track comes into contact with terrain. Minimum AGL along route was -57.38 Ft. Flight Track contacted terrain (DTED 0 MAX) between AER and DER or within 2/3 NM of DER.	

DME/DME	<a href="#">Return To Summary</a>
<b>Settings:</b>	<p> <b>RNP:</b> 2.0  <b>Flight Mode:</b> Manual  <b>Line of Sight (DTED Level 0 Max):</b> Evaluated  <b>DME Restrictions:</b> Evaluated  <b>Inertial Drift:</b> Enabled              <b>Initial Drift:</b> 0.165 NM              <b>INS Drift Rate:</b> 8.000 NM/Hour  <b>Range Mode:</b> OSV  <b>Co-Frequencies:</b> Evaluated  <b>RNP Edges:</b> Evaluated  <b>Min DME Range:</b> 3.0 NM  <b>Allowed Gap Length:</b> 4.0 NM  <b>DME Types:</b> VOR/DME, VORTAC, Standalone, and User  <b>DME Include Angles:</b> 30 to 150  <b>Critical DMEs:</b> Allowed  <b>DoD Facilities:</b> Not included  <b>Foreign Facilities:</b> Not included  <b>Low DMEs:</b> Included  <b>Terminal DMEs:</b> Included  <b>Flight Check DMEs:</b> Selected  <b>Higher Altitudes:</b> Evaluated  <b>Near Maximum Altitude:</b> Evaluated  <b>Minimum MSL DMEs Avail:</b> 1200 ft         </p>
<p><b>Total Number of DMEs Used:</b> 10</p> <p>Maximum DME Error: 1.595 NM.</p> <p>No Critical DMEs were found.</p> <p><b>Available DMEs:</b> SVM, CRL, VWV, DXO, FBC, LFD, MFD, JXN, ROD, DQN</p> <p><b>Disabled DMEs:</b> LAN, ELX, GIJ, PMM, MKG, HIC, PLN, MNM, CTW, JFN, TVT, BDF, DNV, EON, PLL, PNT, RBS, SAM, UIN, VLA, BVT, GSH, ECB, EWO, FLM, YRK, BRD, DWN, HML, ODI, RST, CMK, DNY, GFL, GGT, HNK, HUO, LGA, HTO, MSS, PWL, RKA, SLK, UCA, ULW, CRI, AGC, BFD, CIP, ETG, FJC, FQM, IHD, LVZ, MIP, MXE, REC, SFK, SLT, TDT, THS, AUW, JVL, LNR, STE, CKB, ESL, HNN, and GRV</p> <p><b>Foreign DMEs within range:</b> YEE, YQG, YQO, YVV, YWT, YXU, YYZ</p>	



DME/DME (Continued)						<a href="#">Return To Summary</a>			
DMEs Used									
#	Name	Lat/Lon/MAGVAR	Range	Source	Critical	Err. [NM]	Status	Time	Distance
1	SVM	N 42° 24' 31.09" W 83° 35' 38.05" 03 W	L + <a href="#">ESV</a>	User	NO	1.646	Enabled	13.5%	10.0%
2	CRL	N 42° 2' 52.90" W 83° 27' 27.30" 03 W	H	Database	NO	1.595	Enabled	14.2%	12.4%
3	VWV	N 41° 27' 5.35" W 83° 38' 19.30" 02 W	L + <a href="#">ESV</a>	User	NO	1.660	Enabled	30.9%	31.8%
4	DXO	N 42° 12' 47.29" W 83° 22' 0.00" 06 W	H + <a href="#">ESV</a>	User	NO	1.595	Enabled	0.0%	0.0%
5	LFD	N 42° 3' 44.96" W 84° 45' 54.48" 05 W	L + <a href="#">ESV</a>	User	NO	1.704	Enabled	3.6%	3.9%
6	MFD	N 40° 52' 7.00" W 82° 35' 27.46" 03 W	L + <a href="#">ESV</a>	User	NO	1.595	Enabled	4.2%	4.5%
7	FBC	N 40° 57' 19.20" W 83° 45' 21.69" 02 W	L	Database	NO	1.595	Enabled	42.6%	46.3%
8	JXN	N 42° 15' 33.27" W 84° 27' 30.77" 05 W	L + <a href="#">ESV</a>	User	NO	1.595	Enabled	4.7%	5.1%
9	ROD	N 40° 17' 16.08" W 84° 2' 35.15" 05 W	H	Database	NO	1.595	Enabled	18.0%	19.5%
10	DQN	N 40° 0' 59.20" W 84° 23' 48.83" 01 W	L	Database	NO	1.595	Enabled	2.7%	2.9%
	Total Coverage							67.2%	68.2%
Flight Check DME Selection									
Distance [NM]		Selected DMEs						Alternate	
0.0									
1.4		SVM	CRL						
3.3		SVM	CRL	DXO	VWV				
9.8		SVM	CRL	DXO	VWV				
16.7		SVM	CRL	DXO	VWV				
33.3		MFD	CRL	FBC	LFD	VWV		DXO	
67.9		JXN	FBC	VWV					
87.9		DQN	ROD	FBC					
Inertial Drift Segments									
#	Start Location			End Location			Length [NM]		

Available DMEs by Waypoints		<a href="#">Return To Summary</a>
Waypoint Before	Waypoint After	DME List
RW21R(AER)	RW03L(DER)	
RW03L(DER)	GH21R:	SVM and CRL
GH21R:	SERGY	SVM, VWV, DXO, and CRL
SERGY	FDROV	SVM, VWV, DXO, and CRL
FDROV	HUUTZ	SVM, VWV, DXO, and CRL
HUUTZ	BARI1	VWV, MFD, JXN, LFD, CRL, FBC, SVM*, and DXO*
BARI1	AYRTN	DQN, FBC, and ROD



User Data					<a href="#">Return To Summary</a>		
User Data Files							
#	File Name						
1	BARI1 New2.udt						
User DMEs							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	LAN	N 42° 43' 2.62" W 84° 41' 51.03" 05 W	L	887.4	110.80	LAN	Disabled
2	LFD	N 42° 3' 44.96" W 84° 45' 54.48" 05 W	L	1040.0	111.20	LFD	Used
Restriction:		Bearing [True]: 105.0° to 160.0° Bearing [Mag]: 110.0° to 165.0°			Distance: Beyond 35.0 NM Altitude: Below 3000.0 ft		
ESV:		Bearing [True]: 95.0° to 132.0° Bearing [Mag]: 100.0° to 137.0°			Arc Distance: Out to 70.0 NM Altitude: 5000.0 to 16000.0 ft		
3	ELX	N 42° 8' 39.88" W 86° 7' 21.74" 00 E	L	793.7	116.60	ELX	Disabled
4	GIJ	N 41° 46' 7.00" W 86° 19' 6.42" 00 E	H	802.7	115.40	GIJ	Disabled
Restriction:		Bearing [True]: 360.0° to 360.0° Bearing [Mag]: 360.0° to 360.0°			Distance: Beyond 35.0 NM Altitude: Below 3500.0 ft		
5	PMM	N 42° 27' 57.73" W 86° 6' 17.32" 00 E	H	639.9	112.10	PMM	Disabled
Restriction:		Bearing [True]: 360.0° to 360.0° Bearing [Mag]: 360.0° to 360.0°			Distance: Beyond 35.0 NM Altitude: Below 3000.0 ft		
6	MKG	N 43° 10' 9.31" W 86° 2' 21.76" 01 W	L	659.1	115.20	MKG	Disabled
Restriction:		Bearing [True]: 54.0° to 89.0° Bearing [Mag]: 55.0° to 90.0°			Distance: Beyond 10.0 NM Altitude: Below 4000.0 ft		
7	HIC	N 43° 34' 29.47" W 85° 42' 58.18" 01 W	L	920.0	117.60	HIC	Disabled
Restriction:		Bearing [True]: 19.0° to 89.0° Bearing [Mag]: 20.0° to 90.0°			Distance: Beyond 30.0 NM Altitude: Below 3000.0 ft		
Restriction:		Bearing [True]: 269.0° to 289.0° Bearing [Mag]: 270.0° to 290.0°			Distance: Beyond 35.0 NM Altitude: Below 3000.0 ft		
8	PLN	N 45° 37' 50.33" W 84° 39' 50.79" 06 W	L	835.3	111.80	PLN	Disabled
9	MNM	N 45° 10' 48.58" W 87° 38' 49.83" 00 E	L	650.1	109.60	MNM	Disabled
10	CTW	N 40° 13' 45.15" W 81° 28' 35.32" 07 W	L	1180.0	111.80	CTW	Disabled

User Data (Continued)					<a href="#">Return To Summary</a>		
User DMEs (Continued)							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
11	JFN	N 41° 45' 36.42" W 80° 44' 53.20" 05 W	L	896.3	115.20	JFN	Disabled
Restriction:		Bearing [True]: 226.0° to 255.0° Bearing [Mag]: 231.0° to 260.0°			Distance: Beyond 30.0 NM Altitude: Below 3500.0 ft		
Restriction:		Bearing [True]: 121.0° to 185.0° Bearing [Mag]: 126.0° to 190.0°			Distance: Beyond 20.0 NM Altitude: Below 3500.0 ft		
Restriction:		Bearing [True]: 186.0° to 225.0° Bearing [Mag]: 191.0° to 230.0°			Distance: Beyond 0.0 NM Altitude: Below 99999.0 ft		
Restriction:		Bearing [True]: 80.0° to 120.0° Bearing [Mag]: 85.0° to 125.0°			Distance: Beyond 35.0 NM Altitude: Below 3500.0 ft		
12	TVT	N 40° 27' 29.04" W 82° 7' 36.52" 03 W	L	1330.4	116.50	TVT	Disabled
13	BDF	N 41° 9' 35.03" W 89° 35' 16.34" 00 E	H	810.0	114.70	BDF	Disabled
14	DNV	N 40° 17' 37.56" W 87° 33' 26.14" 02 E	L	698.8	111.00	DNV	Disabled
15	EON	N 41° 16' 10.68" W 87° 47' 27.79" 02 E	L	688.7	113.20	EON	Disabled
16	PLL	N 41° 57' 56.31" W 89° 31' 27.19" 03 E	L	840.0	111.20	PLL	Disabled
17	PNT	N 40° 49' 16.32" W 88° 44' 0.63" 03 E	L	680.0	109.60	PNT	Disabled
18	RBS	N 40° 34' 54.13" W 88° 9' 51.36" 02 E	L	780.0	116.80	RBS	Disabled
19	SAM	N 38° 29' 6.68" W 88° 5' 8.90" 03 E	L	540.0	116.60	SAM	Disabled
20	UIN	N 39° 50' 52.35" W 91° 16' 44.13" 05 E	H	715.1	113.60	UIN	Disabled
21	VLA	N 39° 5' 37.82" W 89° 9' 44.08" 04 E	L	605.5	114.30	VLA	Disabled
22	BVT	N 40° 33' 22.22" W 87° 4' 9.75" 01 E	H	752.2	115.10	BVT	Disabled
Restriction:		Bearing [True]: 299.0° to 45.0° Bearing [Mag]: 298.0° to 44.0°			Distance: Beyond 0.0 NM Altitude: Below 2800.0 ft		

User Data (Continued)					<a href="#">Return To Summary</a>		
User DMEs (Continued)							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
23	GSH	N 41° 31' 30.56" W 86° 1' 40.63" 00 E	H	851.8	113.70	GSH	Disabled
Restriction:		Bearing [True]: 71.0° to 129.0° Bearing [Mag]: 71.0° to 129.0°			Distance: Beyond 0.0 NM Altitude: Below 99999.0 ft		
24	ECB	N 38° 9' 30.11" W 82° 54' 36.20" 02 W	L	1070.0	110.40	ECB	Disabled
25	EWO	N 37° 37' 54.52" W 85° 40' 33.16" 01 E	L	960.0	110.80	EWO	Disabled
26	FLM	N 38° 38' 57.99" W 84° 18' 38.17" 04 W	H	808.5	117.00	FLM	Disabled
27	YRK	N 38° 38' 38.88" W 82° 58' 42.02" 05 W	L	1040.0	112.80	YRK	Disabled
28	BRD	N 46° 20' 53.81" W 94° 1' 33.54" 03 E	H	1253.9	116.90	BRD	Disabled
Restriction:		Bearing [True]: 3.0° to 3.0° Bearing [Mag]: 360.0° to 360.0°			Distance: Beyond 29.0 NM Altitude: Below 3000.0 ft		
29	DWN	N 45° 5' 14.87" W 94° 27' 13.86" 07 E	L	1130.0	109.00	DWN	Disabled
30	HML	N 48° 52' 9.07" W 97° 7' 4.45" 09 E	H	797.4	112.40	HML	Disabled
Restriction:		Bearing [True]: 84.0° to 94.0° Bearing [Mag]: 75.0° to 85.0°			Distance: Beyond 0.0 NM Altitude: Below 10000.0 ft		
Restriction:		Bearing [True]: 95.0° to 263.0° Bearing [Mag]: 86.0° to 254.0°			Distance: Beyond 35.0 NM Altitude: Below 3000.0 ft		
Restriction:		Bearing [True]: 264.0° to 279.0° Bearing [Mag]: 255.0° to 270.0°			Distance: Beyond 0.0 NM Altitude: Below 99999.0 ft		
Restriction:		Bearing [True]: 280.0° to 83.0° Bearing [Mag]: 271.0° to 74.0°			Distance: Beyond 35.0 NM Altitude: Below 3000.0 ft		
31	ODI	N 43° 54' 44.38" W 91° 28' 3.06" 01 E	H	1282.2	117.90	ODI	Disabled
32	RST	N 43° 46' 58.45" W 92° 35' 49.06" 05 E	L	1393.0	112.00	RST	Disabled
33	CMK	N 41° 16' 48.32" W 73° 34' 52.77" 12 W	L	693.8	116.60	CMK	Disabled
34	DNY	N 42° 10' 41.81" W 74° 57' 24.99" 11 W	L	2560.0	112.10	DNY	Disabled

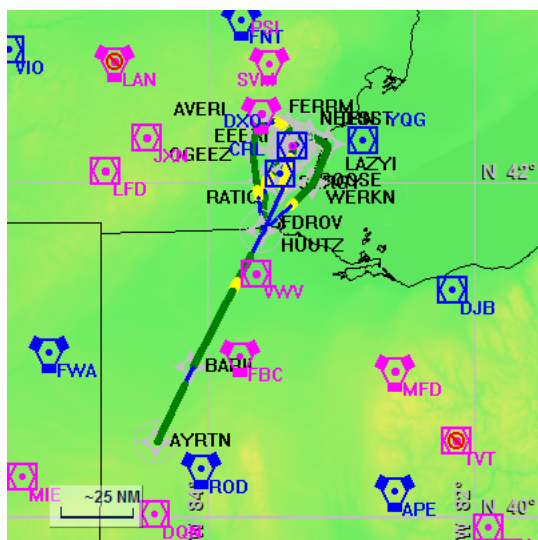
User Data (Continued)					<a href="#">Return To Summary</a>		
User DMEs (Continued)							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
35	GFL	N 43° 20' 30.09" W 73° 36' 42.32" 14 W	L	323.7	110.20	GFL	Disabled
Restriction:		Bearing [True]: 346.0° to 346.0° Bearing [Mag]: 360.0° to 360.0°			Distance: Beyond 0.0 NM Altitude: Below 9000.0 ft		
36	GGT	N 42° 47' 20.24" W 75° 49' 36.29" 11 W	L	2040.0	117.80	GGT	Disabled
37	HNK	N 42° 3' 47.00" W 75° 18' 58.62" 11 W	H	2070.0	116.80	HNK	Disabled
38	HUO	N 41° 24' 34.87" W 74° 35' 29.74" 11 W	H	1300.3	116.10	HUO	Disabled
39	LGA	N 40° 47' 1.38" W 73° 52' 6.96" 12 W	L	8.9	113.10	LGA	Disabled
Restriction:		Bearing [True]: 233.0° to 268.0° Bearing [Mag]: 245.0° to 280.0°			Distance: Beyond 25.0 NM Altitude: Below 6000.0 ft		
40	HTO	N 40° 55' 8.38" W 72° 19' 0.14" 13 W	H	22.0	113.60	HTO	Disabled
Restriction:		Bearing [True]: 267.0° to 312.0° Bearing [Mag]: 280.0° to 325.0°			Distance: Beyond 35.0 NM Altitude: Below 1700.0 ft		
Restriction:		Bearing [True]: 312.0° to 342.0° Bearing [Mag]: 325.0° to 355.0°			Distance: Beyond 30.0 NM Altitude: Below 2000.0 ft		
41	MSS	N 44° 54' 51.92" W 74° 43' 21.78" 14 W	H	197.5	114.10	MSS	Disabled
42	PWL	N 41° 46' 11.18" W 73° 36' 1.99" 12 W	L	1250.0	114.30	PWL	Disabled
43	RKA	N 42° 27' 58.91" W 75° 14' 21.51" 11 W	L	2027.2	112.60	RKA	Disabled
44	SLK	N 44° 23' 4.41" W 74° 12' 16.21" 14 W	L	1646.8	109.20	SLK	Disabled
45	UCA	N 43° 1' 35.45" W 75° 9' 52.28" 12 W	L	1420.0	111.20	UCA	Disabled
46	ULW	N 42° 5' 39.16" W 77° 1' 28.53" 12 W	L	1631.8	109.65	ULW	Disabled
47	CRI	N 40° 36' 44.90" W 73° 53' 40.00" 11 W	T	10.0	112.30	CRI	Disabled

User Data (Continued)					<a href="#">Return To Summary</a>		
User DMEs (Continued)							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
48	AGC	N 40° 16' 43.12" W 80° 2' 27.08" 09 W	L	1284.6	110.00	AGC	Disabled
49	BFD	N 41° 47' 10.99" W 78° 37' 9.65" 07 W	L	2110.6	116.60	BFD	Disabled
50	CIP	N 41° 8' 46.66" W 79° 27' 28.71" 06 W	L	1519.5	112.90	CIP	Disabled
51	ETG	N 41° 12' 53.82" W 78° 8' 33.92" 10 W	H	2250.0	116.00	ETG	Disabled
52	FJC	N 40° 43' 36.12" W 75° 27' 17.12" 10 W	L	680.6	117.50	FJC	Disabled
Restriction:		Bearing [True]: 290.0° to 50.0° Bearing [Mag]: 300.0° to 60.0°			Distance: Beyond 26.0 NM Altitude: Below 4500.0 ft		
Restriction:		Bearing [True]: 51.0° to 289.0° Bearing [Mag]: 61.0° to 299.0°			Distance: Beyond 30.0 NM Altitude: Below 4000.0 ft		
53	FQM	N 41° 20' 18.81" W 76° 46' 29.52" 09 W	L	2098.0	114.40	FQM	Disabled
54	IHD	N 39° 58' 27.27" W 79° 21' 30.12" 06 W	L	2820.0	108.20	IHD	Disabled
55	LVZ	N 41° 16' 22.09" W 75° 41' 22.08" 10 W	L	2118.8	111.60	LVZ	Disabled
56	MIP	N 41° 1' 24.21" W 76° 39' 55.04" 09 W	L	1000.0	109.20	MIP	Disabled
57	MXE	N 39° 55' 5.00" W 75° 40' 14.91" 09 W	L	473.4	113.20	MXE	Disabled
58	REC	N 40° 32' 47.25" W 78° 44' 49.28" 09 W	L	2340.0	110.60	REC	Disabled
59	SFK	N 41° 41' 42.91" W 77° 25' 11.66" 08 W	L	1984.7	108.60	SFK	Disabled
60	SLT	N 41° 30' 45.93" W 77° 58' 12.39" 08 W	H	2310.0	113.90	SLT	Disabled

User Data (Continued)					<a href="#">Return To Summary</a>		
User DMEs (Continued)							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
61	TDT	N 41° 42' 46.91" W 79° 25' 2.17" 09 W	L	1710.0	117.60	TDT	Disabled
Restriction:		Bearing [True]: 32.0° to 42.0° Bearing [Mag]: 41.0° to 51.0°			Distance: Beyond 30.0 NM Altitude: Below 4000.0 ft		
Restriction:		Bearing [True]: 296.0° to 331.0° Bearing [Mag]: 305.0° to 340.0°			Distance: Beyond 24.0 NM Altitude: Below 3500.0 ft		
Restriction:		Bearing [True]: 331.0° to 356.0° Bearing [Mag]: 340.0° to 5.0°			Distance: Beyond 24.0 NM Altitude: Below 5000.0 ft		
62	THS	N 39° 55' 59.62" W 77° 57' 3.40" 07 W	L	2338.0	115.00	THS	Disabled
63	AUW	N 44° 50' 48.40" W 89° 35' 11.68" 02 E	L	1204.7	111.60	AUW	Disabled
Restriction:		Bearing [True]: 322.0° to 302.0° Bearing [Mag]: 320.0° to 300.0°			Distance: Beyond 30.0 NM Altitude: Below 3000.0 ft		
Restriction:		Bearing [True]: 302.0° to 322.0° Bearing [Mag]: 300.0° to 320.0°			Distance: Beyond 30.0 NM Altitude: Below 4000.0 ft		
64	JVL	N 42° 33' 28.83" W 89° 6' 18.93" 03 E	L	931.4	114.30	JVL	Disabled
65	LNR	N 43° 17' 39.85" W 90° 7' 59.33" 00 E	L	1184.6	112.80	LNR	Disabled
66	STE	N 44° 32' 35.69" W 89° 31' 50.02" 01 W	L	1110.0	110.60	STE	Disabled
Restriction:		Bearing [True]: 359.0° to 359.0° Bearing [Mag]: 360.0° to 360.0°			Distance: Beyond 35.0 NM Altitude: Below 3000.0 ft		
67	CKB	N 39° 15' 11.57" W 80° 16' 4.32" 04 W	L	1425.7	112.60	CKB	Disabled
68	ESL	N 39° 13' 31.77" W 78° 59' 22.20" 06 W	L	2590.0	110.80	ESL	Disabled
69	HNN	N 38° 45' 14.85" W 82° 1' 34.20" 03 W	H	880.0	115.90	HNN	Disabled
70	GRV	N 39° 38' 6.11" W 79° 3' 1.90" 06 W	L	2640.0	112.30	GRV	Disabled
Restriction:		Bearing [True]: 301.0° to 64.0° Bearing [Mag]: 307.0° to 70.0°			Distance: Beyond 20.0 NM Altitude: Below 5000.0 ft		
Restriction:		Bearing [True]: 65.0° to 300.0° Bearing [Mag]: 71.0° to 306.0°			Distance: Beyond 20.0 NM Altitude: Below 6000.0 ft		
Restriction:		Bearing [True]: 102.0° to 107.0° Bearing [Mag]: 108.0° to 113.0°			Distance: Beyond 38.0 NM Altitude: Below 99999.0 ft		
Restriction:		Bearing [True]: 319.0° to 339.0° Bearing [Mag]: 325.0° to 345.0°			Distance: Beyond 35.0 NM Altitude: Below 99999.0 ft		

User Data (Continued)					<a href="#">Return To Summary</a>		
User DMEs (Continued)							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
71	DXO	N 42° 12' 47.29" W 83° 22' 0.00" 06 W	H	637.7	113.40	DXO	Used
Restriction:		Bearing [True]: 354.0° to 354.0° Bearing [Mag]: 360.0° to 360.0°			Distance: Beyond 30.0 NM Altitude: Below 2900.0 ft		
ESV:		Bearing [True]: 192.0° to 208.0° Bearing [Mag]: 198.0° to 214.0°			Arc Distance: Out to 50.0 NM Altitude: 5000.0 to 16000.0 ft		
72	JXN	N 42° 15' 33.27" W 84° 27' 30.77" 05 W	L	995.2	109.60	JXN	Used
Restriction:		Bearing [True]: 70.0° to 250.0° Bearing [Mag]: 75.0° to 255.0°			Distance: Beyond 10.0 NM Altitude: Below 3000.0 ft		
ESV:		Bearing [True]: 110.0° to 154.0° Bearing [Mag]: 115.0° to 159.0°			Arc Distance: Out to 63.0 NM Altitude: 8000.0 to 20000.0 ft		
ESV:		Bearing [True]: 150.0° to 213.0° Bearing [Mag]: 155.0° to 218.0°			Arc Distance: Out to 85.0 NM Altitude: 7800.0 to 20000.0 ft		
73	MFD	N 40° 52' 7.00" W 82° 35' 27.46" 03 W	L	1222.0	108.80	MFD	Used
Restriction:		Bearing [True]: 72.0° to 92.0° Bearing [Mag]: 75.0° to 95.0°			Distance: Beyond 0.0 NM Altitude: Below 99999.0 ft		
Restriction:		Bearing [True]: 148.0° to 211.0° Bearing [Mag]: 151.0° to 214.0°			Distance: Beyond 30.0 NM Altitude: Below 99999.0 ft		
ESV:		Bearing [True]: 297.0° to 314.0° Bearing [Mag]: 300.0° to 317.0°			Arc Distance: Out to 69.0 NM Altitude: 5300.0 to 20000.0 ft		
74	VWV	N 41° 27' 5.35" W 83° 38' 19.30" 02 W	L	664.2	113.10	VWV	Used
ESV:		Bearing [True]: 7.0° to 32.0° Bearing [Mag]: 9.0° to 34.0°			Arc Distance: Out to 47.0 NM Altitude: 2000.0 to 20000.0 ft		
75	SVM	N 42° 24' 31.09" W 83° 35' 38.05" 03 W	L	955.8	114.30	SVM	Used
ESV:		Bearing [True]: 171.0° to 192.0° Bearing [Mag]: 174.0° to 195.0°			Arc Distance: Out to 55.0 NM Altitude: 3900.0 to 20000.0 ft		



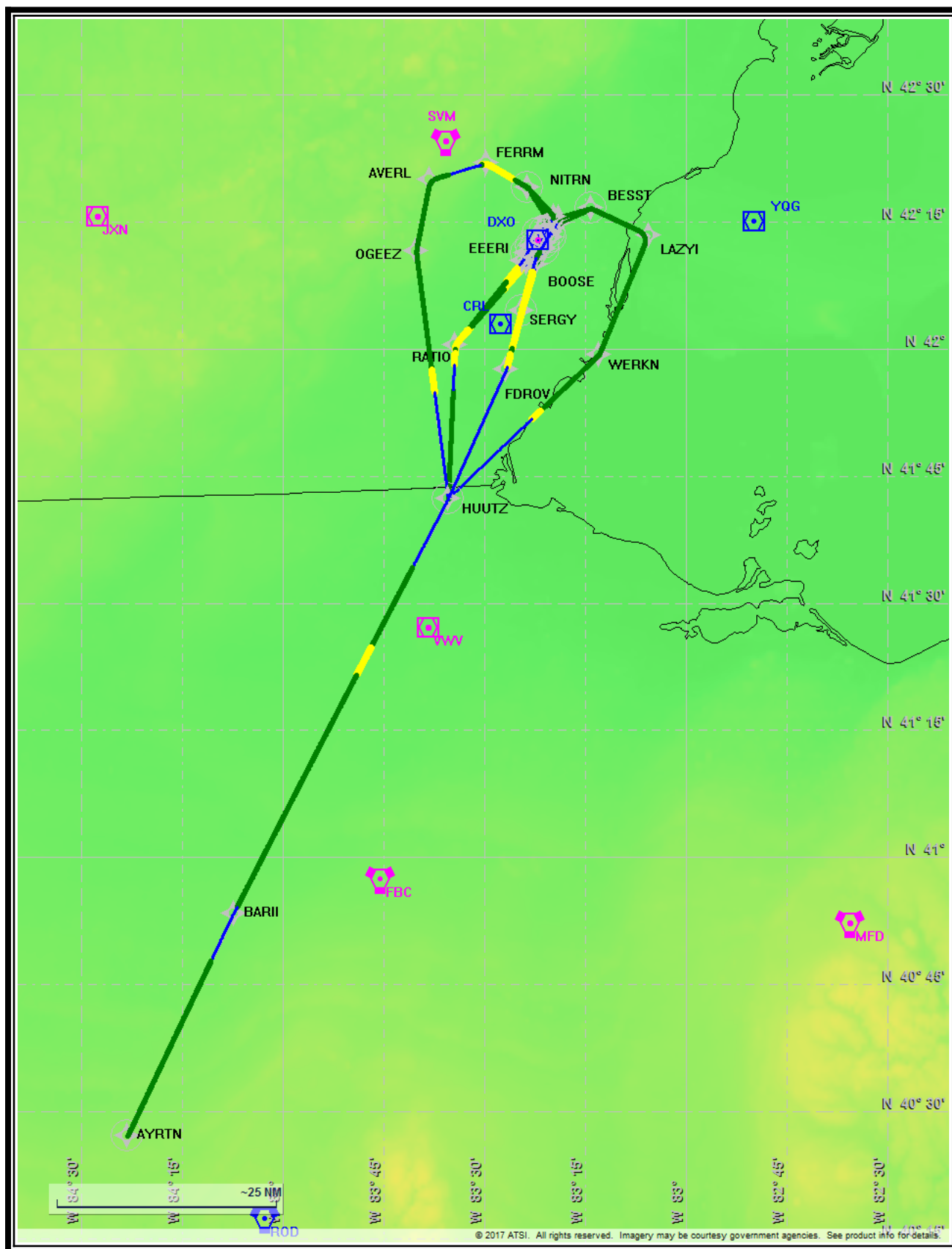


**Name:** Brent Comeaux  
**Project Name:** KDTW BARI1  
**Output File:** KDTW BARI1 SID RW22L HUUTZ 20171026\_0829  
**Procedure Name:** BARI1  
**Software:** RNAV-Pro™  
**Version:** 2.39  
**Date/Time:** 10/26/2017 8:32:43 AM  
**Input File:** [KDTW BARI1 SID RW22L HUUTZ 20170728\\_0930.txt](#)  
**Databases:** AIRNAV Date: 9/17/2017  
CIFP Date: 7/20/2017  
DTED® (MAX) Date: 2002

## Results Summary:

<b>Flyability</b>	✓	Please Check <b>Flyability</b> Results
<b>DME/DME</b>	✓	No Critical DMEs Exist
<b>Radars</b>	?	
<b>Comms</b>	?	
<b>TERPS</b>	?	

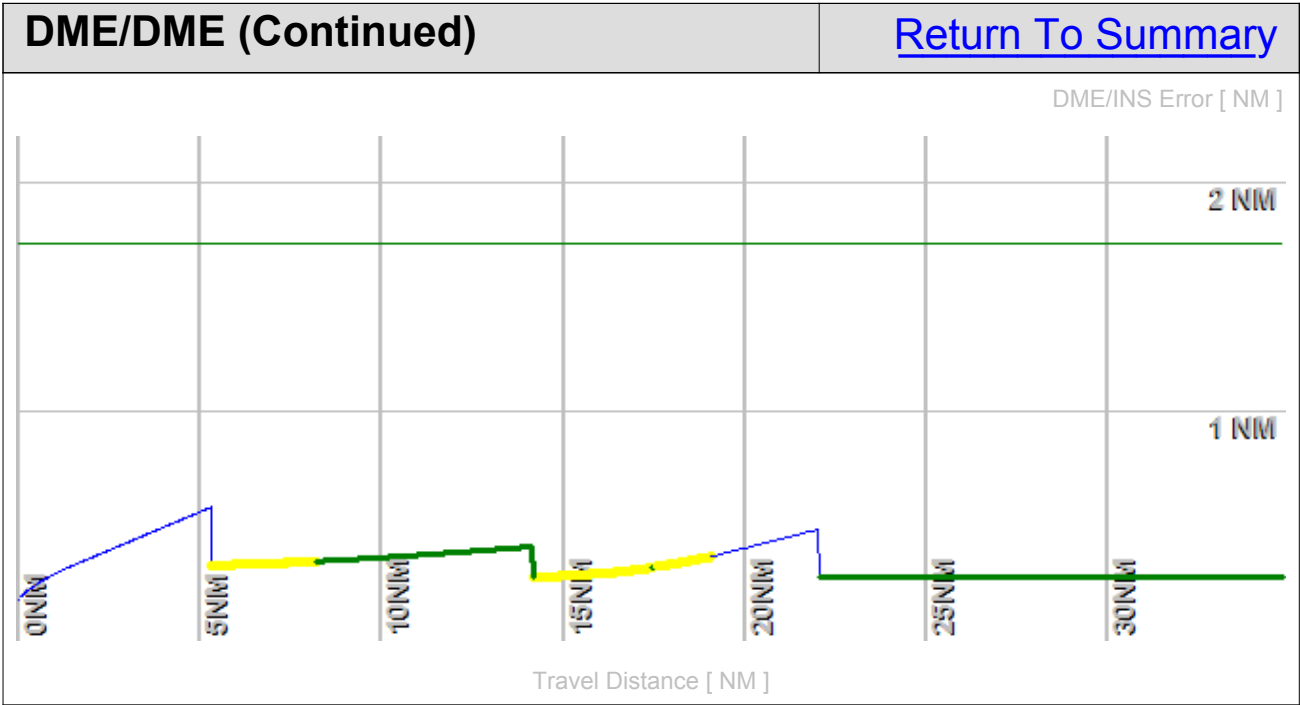




Flight Plan					<a href="#">Return To Summary</a>		
Name	Type	Lat/Lon	Alt [ft]	VNAV Mode	IAS [Kts]	Turn Type	Leg Type
RW22L(...	WP	N 42° 13' 52.37" W 83° 20' 59.97"	635.8	VNAV	0.0	Fly Over	TF
RW04R(...	WP	N 42° 12' 8.37" W 83° 22' 16.57"	672.2	VNAV	130.0	Fly Over	VA
GH22L:	WP	N 42° 11' 14.79" W 83° 22' 56.00"	1181.0	VNAV	145.0	Fly Over	DF
BOOSE	WP	N 42° 10' 8.18" W 83° 23' 45.01"	1434.0	VNAV	145.0	Fly By	TF
RATIO	WP	N 42° 0' 25.84" W 83° 34' 22.45"	3937.6	VNAV	145.0	Fly By	TF
HUUTZ	WP	N 41° 42' 18.64" W 83° 35' 23.75"	4000.0	VNAV	145.0	Fly Over	TF
Climb Gradient: 500.0 ft/NM up to 1146.0 ft MSL							
Climb Gradient: 200 ft/NM after next to last waypoint up to 18000.0 ft							

Flyability		<a href="#">Return To Summary</a>
Settings:	<b>Flight Type:</b> Runway Departure	
	<b>Selected Airport:</b> KDTW	
	<b>Aircraft Category:</b> Cat D	
	<b>Climb Gradient:</b> 500.0 ft/NM up to 1146.0 ft MSL	
	<b>Ground Speeds:</b>	
	Departure: <b>120.0 Kts</b> out to <b>10.0 NM</b>	
	Table:	
	<b>200.0 Kts</b> up to <b>11000.0 ft</b>	
	<b>240.0 Kts</b> up to <b>18000.0 ft</b>	
	<b>260.0 Kts</b> up to <b>24000.0 ft</b>	
	<b>340.0 Kts</b> up to <b>99900.0 ft</b>	
	<b>Wind Settings:</b> <i>None assigned</i>	
	<b>Descent During a Turn:</b> Allowed	
	<b>VNAV Mode:</b> Flight Plan	
Aircraft ALTITUDE at Fly-Over WP HUUTZ too high.		
Flight Track comes into contact with terrain. Minimum AGL along route was -46.61 Ft.		
Flight Track contacted terrain (DTED 0 MAX) between AER and DER or within 2/3 NM of DER.		

DME/DME	<a href="#">Return To Summary</a>
<b>Settings:</b>	<p> <b>RNP:</b> 2.0  <b>Flight Mode:</b> Manual  <b>Line of Sight (DTED Level 0 Max):</b> Evaluated  <b>DME Restrictions:</b> Evaluated  <b>Inertial Drift:</b> Enabled            <b>Initial Drift:</b> 0.165 NM            <b>INS Drift Rate:</b> 8.000 NM/Hour  <b>Range Mode:</b> OSV  <b>Co-Frequencies:</b> Evaluated  <b>RNP Edges:</b> Evaluated  <b>Min DME Range:</b> 3.0 NM  <b>Allowed Gap Length:</b> 4.0 NM  <b>DME Types:</b> VOR/DME, VORTAC, Standalone, and User  <b>DME Include Angles:</b> 30 to 150  <b>Critical DMEs:</b> Allowed  <b>DoD Facilities:</b> Not included  <b>Foreign Facilities:</b> Not included  <b>Low DMEs:</b> Included  <b>Terminal DMEs:</b> Included  <b>Flight Check DMEs:</b> Selected  <b>Higher Altitudes:</b> Evaluated  <b>Near Maximum Altitude:</b> Evaluated  <b>Minimum MSL DMEs Avail:</b> 1647 ft </p>
<p> <b>Total Number of DMEs Used:</b> 5  Maximum DME Error: 0.583 NM.  No Critical DMEs were found.  <b>Available DMEs:</b> SVM, CRL, DXO, VWV, LFD  <b>Disabled DMEs:</b> LAN, ELX, GIJ, PMM, MKG, HIC, PLN, MNM, CTW, JFN, TVT, BDF, DNV, EON, PLL, PNT, RBS, SAM, UIN, VLA, BVT, GSH, ECB, EWO, FLM, YRK, BRD, DWN, HML, ODI, RST, CMK, DNY, GFL, GGT, HNK, HUO, LGA, HTO, MSS, PWL, RKA, SLK, UCA, ULW, CRI, AGC, BFD, CIP, ETG, FJC, FQM, IHD, LVZ, MIP, MXE, REC, SFK, SLT, TDT, THS, AUW, JVL, LNR, STE, CKB, ESL, HNN, and GRV  <b>Foreign DMEs within range:</b> YEE, YQG, YQO, YVV, YWT, YXU, YYZ </p>	



DME/DME (Continued)						<a href="#">Return To Summary</a>			
DMEs Used									
#	Name	Lat/Lon/MAGVAR	Range	Source	Critical	Err. [NM]	Status	Time	Distance
1	DXO	N 42° 12' 47.29" W 83° 22' 0.00" 06 W	H + <a href="#">ESV</a>	User	NO	1.021	Enabled	41.2%	38.6%
2	SVM	N 42° 24' 31.09" W 83° 35' 38.05" 03 W	L + <a href="#">ESV</a>	User	NO	1.077	Enabled	41.8%	39.3%
3	CRL	N 42° 2' 52.90" W 83° 27' 27.30" 03 W	H	Database	NO	0.698	Enabled	18.2%	23.5%
4	VWV	N 41° 27' 5.35" W 83° 38' 19.30" 02 W	L + <a href="#">ESV</a>	User	NO	0.583	Enabled	10.8%	14.0%
5	LFD	N 42° 3' 44.96" W 84° 45' 54.48" 05 W	L + <a href="#">ESV</a>	User	NO	0.998	Enabled	28.4%	36.9%
	Total Coverage							70.2%	76.2%
Flight Check DME Selection									
Distance [NM]		Selected DMEs						Alternate	
0.0									
2.0									
3.0		SVM	CRL						
4.1		SVM	CRL	VWV	DXO				
16.1		SVM	CRL	LFD	VWV	DXO			
Inertial Drift Segments									
#	Start Location			End Location				Length [NM]	

Available DMEs by Waypoints		<a href="#">Return To Summary</a>
Waypoint Before	Waypoint After	DME List
RW22L(AER)	RW04R(DER)	
RW04R(DER)	GH22L:	
GH22L:	BOOSE	SVM and CRL
BOOSE	RATIO	SVM, VWV, DXO, and CRL
RATIO	HUUTZ	SVM, VWV, DXO, LFD, and CRL

User Data					<a href="#">Return To Summary</a>		
User Data Files							
#	File Name						
1	BARI1 New2.udt						
User DMEs							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	LAN	N 42° 43' 2.62" W 84° 41' 51.03" 05 W	L	887.4	110.80	LAN	Disabled
2	LFD	N 42° 3' 44.96" W 84° 45' 54.48" 05 W	L	1040.0	111.20	LFD	Used
Restriction:		Bearing [True]: 105.0° to 160.0° Bearing [Mag]: 110.0° to 165.0°			Distance: Beyond 35.0 NM Altitude: Below 3000.0 ft		
ESV:		Bearing [True]: 95.0° to 132.0° Bearing [Mag]: 100.0° to 137.0°			Arc Distance: Out to 70.0 NM Altitude: 5000.0 to 16000.0 ft		
3	ELX	N 42° 8' 39.88" W 86° 7' 21.74" 00 E	L	793.7	116.60	ELX	Disabled
4	GIJ	N 41° 46' 7.00" W 86° 19' 6.42" 00 E	H	802.7	115.40	GIJ	Disabled
Restriction:		Bearing [True]: 360.0° to 360.0° Bearing [Mag]: 360.0° to 360.0°			Distance: Beyond 35.0 NM Altitude: Below 3500.0 ft		
5	PMM	N 42° 27' 57.73" W 86° 6' 17.32" 00 E	H	639.9	112.10	PMM	Disabled
Restriction:		Bearing [True]: 360.0° to 360.0° Bearing [Mag]: 360.0° to 360.0°			Distance: Beyond 35.0 NM Altitude: Below 3000.0 ft		
6	MKG	N 43° 10' 9.31" W 86° 2' 21.76" 01 W	L	659.1	115.20	MKG	Disabled
Restriction:		Bearing [True]: 54.0° to 89.0° Bearing [Mag]: 55.0° to 90.0°			Distance: Beyond 10.0 NM Altitude: Below 4000.0 ft		
7	HIC	N 43° 34' 29.47" W 85° 42' 58.18" 01 W	L	920.0	117.60	HIC	Disabled
Restriction:		Bearing [True]: 19.0° to 89.0° Bearing [Mag]: 20.0° to 90.0°			Distance: Beyond 30.0 NM Altitude: Below 3000.0 ft		
Restriction:		Bearing [True]: 269.0° to 289.0° Bearing [Mag]: 270.0° to 290.0°			Distance: Beyond 35.0 NM Altitude: Below 3000.0 ft		
8	PLN	N 45° 37' 50.33" W 84° 39' 50.79" 06 W	L	835.3	111.80	PLN	Disabled
9	MNM	N 45° 10' 48.58" W 87° 38' 49.83" 00 E	L	650.1	109.60	MNM	Disabled
10	CTW	N 40° 13' 45.15" W 81° 28' 35.32" 07 W	L	1180.0	111.80	CTW	Disabled



User Data (Continued)					<a href="#">Return To Summary</a>		
User DMEs (Continued)							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
11	JFN	N 41° 45' 36.42" W 80° 44' 53.20" 05 W	L	896.3	115.20	JFN	Disabled
Restriction:		Bearing [True]: 226.0° to 255.0° Bearing [Mag]: 231.0° to 260.0°			Distance: Beyond 30.0 NM Altitude: Below 3500.0 ft		
Restriction:		Bearing [True]: 121.0° to 185.0° Bearing [Mag]: 126.0° to 190.0°			Distance: Beyond 20.0 NM Altitude: Below 3500.0 ft		
Restriction:		Bearing [True]: 186.0° to 225.0° Bearing [Mag]: 191.0° to 230.0°			Distance: Beyond 0.0 NM Altitude: Below 99999.0 ft		
Restriction:		Bearing [True]: 80.0° to 120.0° Bearing [Mag]: 85.0° to 125.0°			Distance: Beyond 35.0 NM Altitude: Below 3500.0 ft		
12	TVT	N 40° 27' 29.04" W 82° 7' 36.52" 03 W	L	1330.4	116.50	TVT	Disabled
13	BDF	N 41° 9' 35.03" W 89° 35' 16.34" 00 E	H	810.0	114.70	BDF	Disabled
14	DNV	N 40° 17' 37.56" W 87° 33' 26.14" 02 E	L	698.8	111.00	DNV	Disabled
15	EON	N 41° 16' 10.68" W 87° 47' 27.79" 02 E	L	688.7	113.20	EON	Disabled
16	PLL	N 41° 57' 56.31" W 89° 31' 27.19" 03 E	L	840.0	111.20	PLL	Disabled
17	PNT	N 40° 49' 16.32" W 88° 44' 0.63" 03 E	L	680.0	109.60	PNT	Disabled
18	RBS	N 40° 34' 54.13" W 88° 9' 51.36" 02 E	L	780.0	116.80	RBS	Disabled
19	SAM	N 38° 29' 6.68" W 88° 5' 8.90" 03 E	L	540.0	116.60	SAM	Disabled
20	UIN	N 39° 50' 52.35" W 91° 16' 44.13" 05 E	H	715.1	113.60	UIN	Disabled
21	VLA	N 39° 5' 37.82" W 89° 9' 44.08" 04 E	L	605.5	114.30	VLA	Disabled
22	BVT	N 40° 33' 22.22" W 87° 4' 9.75" 01 E	H	752.2	115.10	BVT	Disabled
Restriction:		Bearing [True]: 299.0° to 45.0° Bearing [Mag]: 298.0° to 44.0°			Distance: Beyond 0.0 NM Altitude: Below 2800.0 ft		

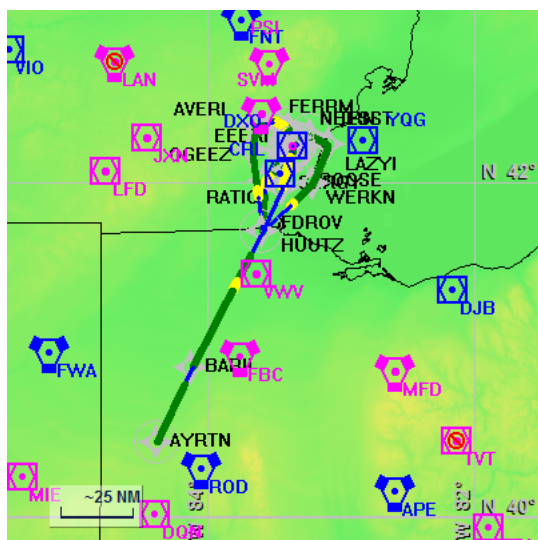
User Data (Continued)					<a href="#">Return To Summary</a>		
User DMEs (Continued)							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
23	GSH	N 41° 31' 30.56" W 86° 1' 40.63" 00 E	H	851.8	113.70	GSH	Disabled
Restriction:		Bearing [True]: 71.0° to 129.0° Bearing [Mag]: 71.0° to 129.0°			Distance: Beyond 0.0 NM Altitude: Below 99999.0 ft		
24	ECB	N 38° 9' 30.11" W 82° 54' 36.20" 02 W	L	1070.0	110.40	ECB	Disabled
25	EWO	N 37° 37' 54.52" W 85° 40' 33.16" 01 E	L	960.0	110.80	EWO	Disabled
26	FLM	N 38° 38' 57.99" W 84° 18' 38.17" 04 W	H	808.5	117.00	FLM	Disabled
27	YRK	N 38° 38' 38.88" W 82° 58' 42.02" 05 W	L	1040.0	112.80	YRK	Disabled
28	BRD	N 46° 20' 53.81" W 94° 1' 33.54" 03 E	H	1253.9	116.90	BRD	Disabled
Restriction:		Bearing [True]: 3.0° to 3.0° Bearing [Mag]: 360.0° to 360.0°			Distance: Beyond 29.0 NM Altitude: Below 3000.0 ft		
29	DWN	N 45° 5' 14.87" W 94° 27' 13.86" 07 E	L	1130.0	109.00	DWN	Disabled
30	HML	N 48° 52' 9.07" W 97° 7' 4.45" 09 E	H	797.4	112.40	HML	Disabled
Restriction:		Bearing [True]: 84.0° to 94.0° Bearing [Mag]: 75.0° to 85.0°			Distance: Beyond 0.0 NM Altitude: Below 10000.0 ft		
Restriction:		Bearing [True]: 95.0° to 263.0° Bearing [Mag]: 86.0° to 254.0°			Distance: Beyond 35.0 NM Altitude: Below 3000.0 ft		
Restriction:		Bearing [True]: 264.0° to 279.0° Bearing [Mag]: 255.0° to 270.0°			Distance: Beyond 0.0 NM Altitude: Below 99999.0 ft		
Restriction:		Bearing [True]: 280.0° to 83.0° Bearing [Mag]: 271.0° to 74.0°			Distance: Beyond 35.0 NM Altitude: Below 3000.0 ft		
31	ODI	N 43° 54' 44.38" W 91° 28' 3.06" 01 E	H	1282.2	117.90	ODI	Disabled
32	RST	N 43° 46' 58.45" W 92° 35' 49.06" 05 E	L	1393.0	112.00	RST	Disabled
33	CMK	N 41° 16' 48.32" W 73° 34' 52.77" 12 W	L	693.8	116.60	CMK	Disabled
34	DNY	N 42° 10' 41.81" W 74° 57' 24.99" 11 W	L	2560.0	112.10	DNY	Disabled

User Data (Continued)					<a href="#">Return To Summary</a>		
User DMEs (Continued)							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
35	GFL	N 43° 20' 30.09" W 73° 36' 42.32" 14 W	L	323.7	110.20	GFL	Disabled
Restriction:		Bearing [True]: 346.0° to 346.0° Bearing [Mag]: 360.0° to 360.0°			Distance: Beyond 0.0 NM Altitude: Below 9000.0 ft		
36	GGT	N 42° 47' 20.24" W 75° 49' 36.29" 11 W	L	2040.0	117.80	GGT	Disabled
37	HNK	N 42° 3' 47.00" W 75° 18' 58.62" 11 W	H	2070.0	116.80	HNK	Disabled
38	HUO	N 41° 24' 34.87" W 74° 35' 29.74" 11 W	H	1300.3	116.10	HUO	Disabled
39	LGA	N 40° 47' 1.38" W 73° 52' 6.96" 12 W	L	8.9	113.10	LGA	Disabled
Restriction:		Bearing [True]: 233.0° to 268.0° Bearing [Mag]: 245.0° to 280.0°			Distance: Beyond 25.0 NM Altitude: Below 6000.0 ft		
40	HTO	N 40° 55' 8.38" W 72° 19' 0.14" 13 W	H	22.0	113.60	HTO	Disabled
Restriction:		Bearing [True]: 267.0° to 312.0° Bearing [Mag]: 280.0° to 325.0°			Distance: Beyond 35.0 NM Altitude: Below 1700.0 ft		
Restriction:		Bearing [True]: 312.0° to 342.0° Bearing [Mag]: 325.0° to 355.0°			Distance: Beyond 30.0 NM Altitude: Below 2000.0 ft		
41	MSS	N 44° 54' 51.92" W 74° 43' 21.78" 14 W	H	197.5	114.10	MSS	Disabled
42	PWL	N 41° 46' 11.18" W 73° 36' 1.99" 12 W	L	1250.0	114.30	PWL	Disabled
43	RKA	N 42° 27' 58.91" W 75° 14' 21.51" 11 W	L	2027.2	112.60	RKA	Disabled
44	SLK	N 44° 23' 4.41" W 74° 12' 16.21" 14 W	L	1646.8	109.20	SLK	Disabled
45	UCA	N 43° 1' 35.45" W 75° 9' 52.28" 12 W	L	1420.0	111.20	UCA	Disabled
46	ULW	N 42° 5' 39.16" W 77° 1' 28.53" 12 W	L	1631.8	109.65	ULW	Disabled
47	CRI	N 40° 36' 44.90" W 73° 53' 40.00" 11 W	T	10.0	112.30	CRI	Disabled

User Data (Continued)					<a href="#">Return To Summary</a>		
User DMEs (Continued)							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
48	AGC	N 40° 16' 43.12" W 80° 2' 27.08" 09 W	L	1284.6	110.00	AGC	Disabled
49	BFD	N 41° 47' 10.99" W 78° 37' 9.65" 07 W	L	2110.6	116.60	BFD	Disabled
50	CIP	N 41° 8' 46.66" W 79° 27' 28.71" 06 W	L	1519.5	112.90	CIP	Disabled
51	ETG	N 41° 12' 53.82" W 78° 8' 33.92" 10 W	H	2250.0	116.00	ETG	Disabled
52	FJC	N 40° 43' 36.12" W 75° 27' 17.12" 10 W	L	680.6	117.50	FJC	Disabled
Restriction:		Bearing [True]: 290.0° to 50.0° Bearing [Mag]: 300.0° to 60.0°			Distance: Beyond 26.0 NM Altitude: Below 4500.0 ft		
Restriction:		Bearing [True]: 51.0° to 289.0° Bearing [Mag]: 61.0° to 299.0°			Distance: Beyond 30.0 NM Altitude: Below 4000.0 ft		
53	FQM	N 41° 20' 18.81" W 76° 46' 29.52" 09 W	L	2098.0	114.40	FQM	Disabled
54	IHD	N 39° 58' 27.27" W 79° 21' 30.12" 06 W	L	2820.0	108.20	IHD	Disabled
55	LVZ	N 41° 16' 22.09" W 75° 41' 22.08" 10 W	L	2118.8	111.60	LVZ	Disabled
56	MIP	N 41° 1' 24.21" W 76° 39' 55.04" 09 W	L	1000.0	109.20	MIP	Disabled
57	MXE	N 39° 55' 5.00" W 75° 40' 14.91" 09 W	L	473.4	113.20	MXE	Disabled
58	REC	N 40° 32' 47.25" W 78° 44' 49.28" 09 W	L	2340.0	110.60	REC	Disabled
59	SFK	N 41° 41' 42.91" W 77° 25' 11.66" 08 W	L	1984.7	108.60	SFK	Disabled
60	SLT	N 41° 30' 45.93" W 77° 58' 12.39" 08 W	H	2310.0	113.90	SLT	Disabled

User Data (Continued)					<a href="#">Return To Summary</a>		
User DMEs (Continued)							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
61	TDT	N 41° 42' 46.91" W 79° 25' 2.17" 09 W	L	1710.0	117.60	TDT	Disabled
Restriction:		Bearing [True]: 32.0° to 42.0° Bearing [Mag]: 41.0° to 51.0°			Distance: Beyond 30.0 NM Altitude: Below 4000.0 ft		
Restriction:		Bearing [True]: 296.0° to 331.0° Bearing [Mag]: 305.0° to 340.0°			Distance: Beyond 24.0 NM Altitude: Below 3500.0 ft		
Restriction:		Bearing [True]: 331.0° to 356.0° Bearing [Mag]: 340.0° to 5.0°			Distance: Beyond 24.0 NM Altitude: Below 5000.0 ft		
62	THS	N 39° 55' 59.62" W 77° 57' 3.40" 07 W	L	2338.0	115.00	THS	Disabled
63	AUW	N 44° 50' 48.40" W 89° 35' 11.68" 02 E	L	1204.7	111.60	AUW	Disabled
Restriction:		Bearing [True]: 322.0° to 302.0° Bearing [Mag]: 320.0° to 300.0°			Distance: Beyond 30.0 NM Altitude: Below 3000.0 ft		
Restriction:		Bearing [True]: 302.0° to 322.0° Bearing [Mag]: 300.0° to 320.0°			Distance: Beyond 30.0 NM Altitude: Below 4000.0 ft		
64	JVL	N 42° 33' 28.83" W 89° 6' 18.93" 03 E	L	931.4	114.30	JVL	Disabled
65	LNR	N 43° 17' 39.85" W 90° 7' 59.33" 00 E	L	1184.6	112.80	LNR	Disabled
66	STE	N 44° 32' 35.69" W 89° 31' 50.02" 01 W	L	1110.0	110.60	STE	Disabled
Restriction:		Bearing [True]: 359.0° to 359.0° Bearing [Mag]: 360.0° to 360.0°			Distance: Beyond 35.0 NM Altitude: Below 3000.0 ft		
67	CKB	N 39° 15' 11.57" W 80° 16' 4.32" 04 W	L	1425.7	112.60	CKB	Disabled
68	ESL	N 39° 13' 31.77" W 78° 59' 22.20" 06 W	L	2590.0	110.80	ESL	Disabled
69	HNN	N 38° 45' 14.85" W 82° 1' 34.20" 03 W	H	880.0	115.90	HNN	Disabled
70	GRV	N 39° 38' 6.11" W 79° 3' 1.90" 06 W	L	2640.0	112.30	GRV	Disabled
Restriction:		Bearing [True]: 301.0° to 64.0° Bearing [Mag]: 307.0° to 70.0°			Distance: Beyond 20.0 NM Altitude: Below 5000.0 ft		
Restriction:		Bearing [True]: 65.0° to 300.0° Bearing [Mag]: 71.0° to 306.0°			Distance: Beyond 20.0 NM Altitude: Below 6000.0 ft		
Restriction:		Bearing [True]: 102.0° to 107.0° Bearing [Mag]: 108.0° to 113.0°			Distance: Beyond 38.0 NM Altitude: Below 99999.0 ft		
Restriction:		Bearing [True]: 319.0° to 339.0° Bearing [Mag]: 325.0° to 345.0°			Distance: Beyond 35.0 NM Altitude: Below 99999.0 ft		

User Data (Continued)					<a href="#">Return To Summary</a>		
User DMEs (Continued)							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
71	DXO	N 42° 12' 47.29" W 83° 22' 0.00" 06 W	H	637.7	113.40	DXO	Used
Restriction:		Bearing [True]: 354.0° to 354.0° Bearing [Mag]: 360.0° to 360.0°			Distance: Beyond 30.0 NM Altitude: Below 2900.0 ft		
ESV:		Bearing [True]: 192.0° to 208.0° Bearing [Mag]: 198.0° to 214.0°			Arc Distance: Out to 50.0 NM Altitude: 5000.0 to 16000.0 ft		
72	JXN	N 42° 15' 33.27" W 84° 27' 30.77" 05 W	L	995.2	109.60	JXN	Not Used
Restriction:		Bearing [True]: 70.0° to 250.0° Bearing [Mag]: 75.0° to 255.0°			Distance: Beyond 10.0 NM Altitude: Below 3000.0 ft		
ESV:		Bearing [True]: 110.0° to 154.0° Bearing [Mag]: 115.0° to 159.0°			Arc Distance: Out to 63.0 NM Altitude: 8000.0 to 20000.0 ft		
ESV:		Bearing [True]: 150.0° to 213.0° Bearing [Mag]: 155.0° to 218.0°			Arc Distance: Out to 85.0 NM Altitude: 7800.0 to 20000.0 ft		
73	MFD	N 40° 52' 7.00" W 82° 35' 27.46" 03 W	L	1222.0	108.80	MFD	Not Used
Restriction:		Bearing [True]: 72.0° to 92.0° Bearing [Mag]: 75.0° to 95.0°			Distance: Beyond 0.0 NM Altitude: Below 99999.0 ft		
Restriction:		Bearing [True]: 148.0° to 211.0° Bearing [Mag]: 151.0° to 214.0°			Distance: Beyond 30.0 NM Altitude: Below 99999.0 ft		
ESV:		Bearing [True]: 297.0° to 314.0° Bearing [Mag]: 300.0° to 317.0°			Arc Distance: Out to 69.0 NM Altitude: 5300.0 to 20000.0 ft		
74	VWV	N 41° 27' 5.35" W 83° 38' 19.30" 02 W	L	664.2	113.10	VWV	Used
ESV:		Bearing [True]: 7.0° to 32.0° Bearing [Mag]: 9.0° to 34.0°			Arc Distance: Out to 47.0 NM Altitude: 2000.0 to 20000.0 ft		
75	SVM	N 42° 24' 31.09" W 83° 35' 38.05" 03 W	L	955.8	114.30	SVM	Used
ESV:		Bearing [True]: 171.0° to 192.0° Bearing [Mag]: 174.0° to 195.0°			Arc Distance: Out to 55.0 NM Altitude: 3900.0 to 20000.0 ft		

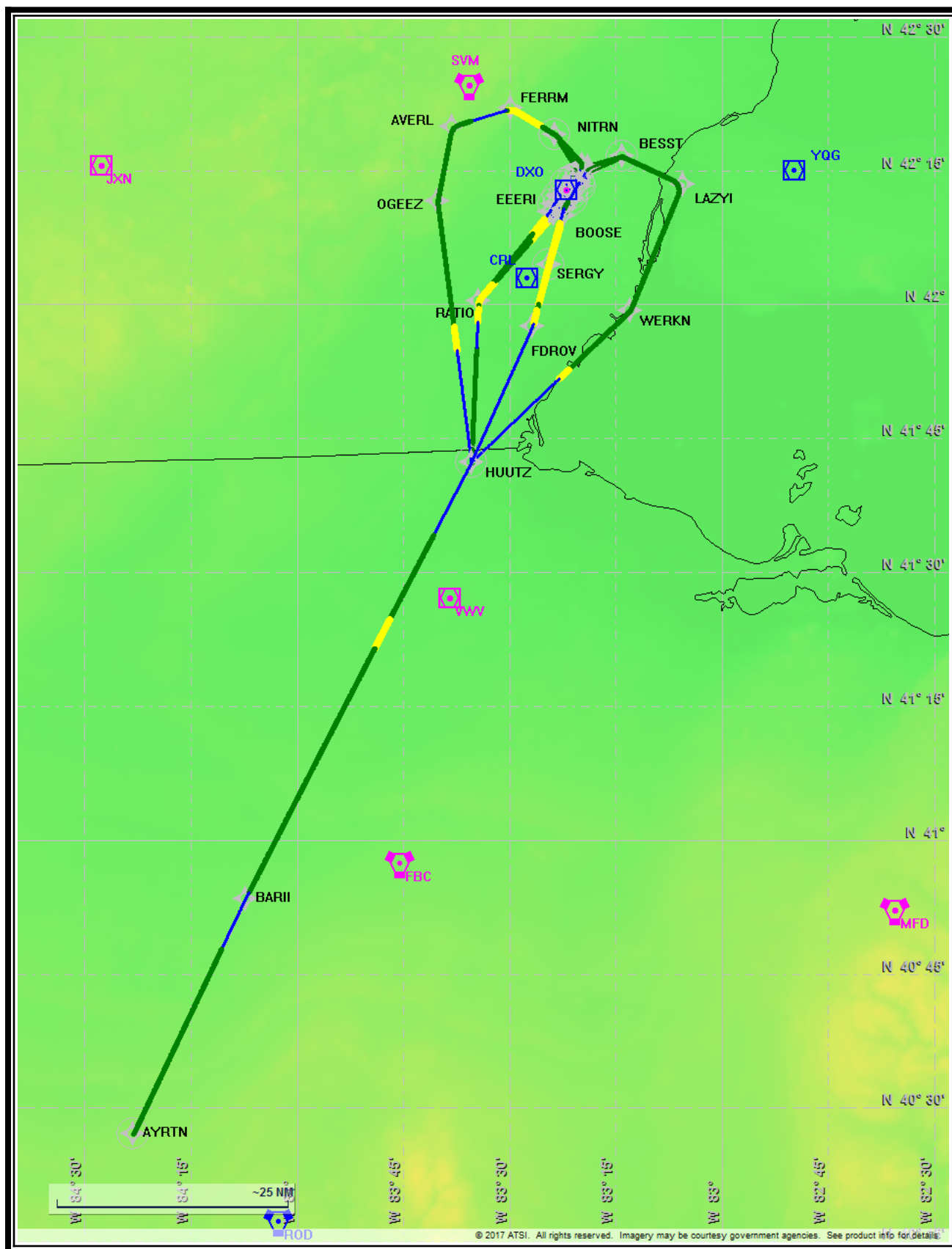


**Name:** Brent Comeaux  
**Project Name:** KDTW BARI1  
**Output File:** KDTW BARI1 SID RW22R HUUTZ 20171026\_0829  
**Procedure Name:** BARI1  
**Software:** RNAV-Pro™  
**Version:** 2.39  
**Date/Time:** 10/26/2017 8:33:30 AM  
**Input File:** [KDTW BARI1 SID RW22R HUUTZ 20170728\\_0935.txt](#)  
**Databases:** AIRNAV Date: 9/17/2017  
CIFP Date: 7/20/2017  
DTED® (MAX) Date: 2002

## Results Summary:

<b>Flyability</b>	✓	Please Check <b>Flyability</b> Results
<b>DME/DME</b>	✓	No Critical DMEs Exist
<b>Radars</b>	?	
<b>Comms</b>	?	
<b>TERPS</b>	?	



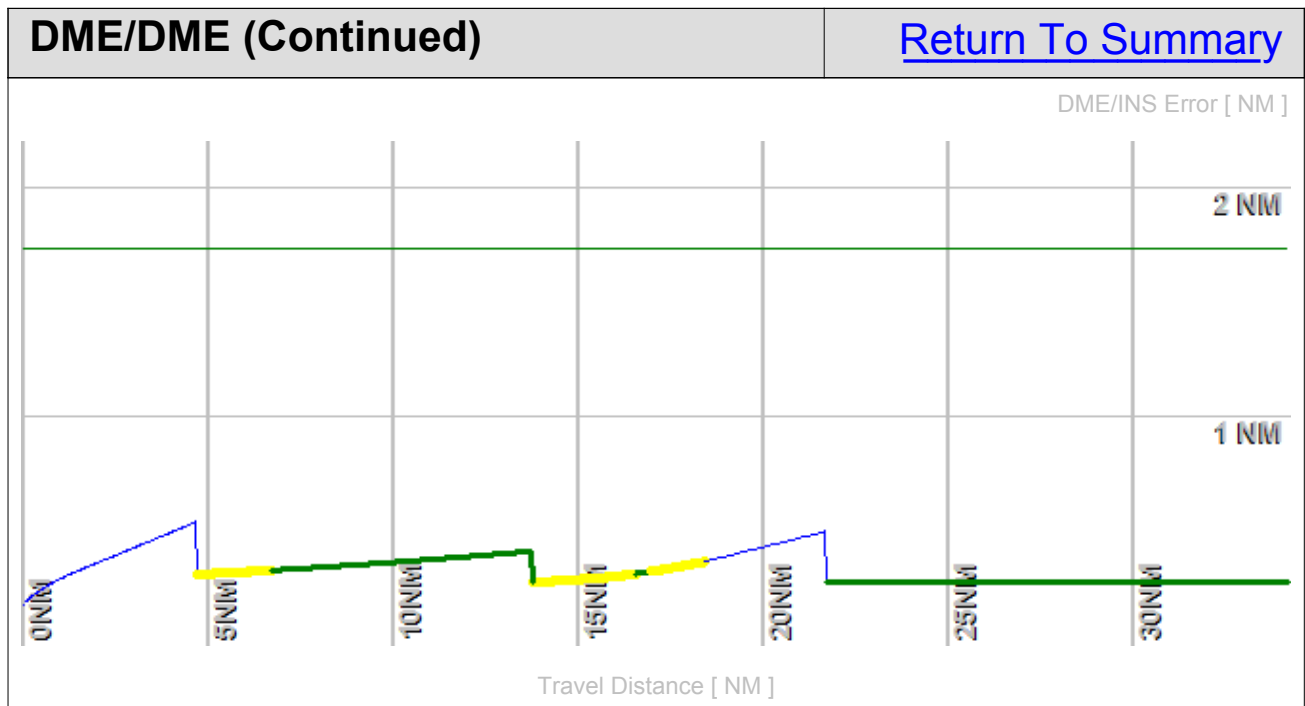




Flight Plan					<a href="#">Return To Summary</a>		
Name	Type	Lat/Lon	Alt [ft]	VNAV Mode	IAS [Kts]	Turn Type	Leg Type
RW22R(...	WP	N 42° 13' 34.48" W 83° 21' 58.61"	642.2	VNAV	0.0	Fly Over	TF
RW04L(...	WP	N 42° 12' 7.82" W 83° 23' 2.40"	680.2	VNAV	130.0	Fly Over	VA
GH22R:	WP	N 42° 11' 15.08" W 83° 23' 41.20"	1181.0	VNAV	145.0	Fly Over	DF
EEERI	WP	N 42° 10' 22.39" W 83° 24' 19.94"	1381.1	VNAV	145.0	Fly By	TF
RATIO	WP	N 42° 0' 25.84" W 83° 34' 22.45"	3868.4	VNAV	145.0	Fly By	TF
HUUTZ	WP	N 41° 42' 18.64" W 83° 35' 23.75"	4000.0	VNAV	145.0	Fly Over	TF
Climb Gradient: 500.0 ft/NM up to 1146.0 ft MSL							
Climb Gradient: 200 ft/NM after next to last waypoint up to 18000.0 ft							

Flyability		<a href="#">Return To Summary</a>
Settings:	<b>Flight Type:</b> Runway Departure <b>Selected Airport:</b> KDTW <b>Aircraft Category:</b> Cat D <b>Climb Gradient:</b> 500.0 ft/NM up to 1146.0 ft MSL <b>Ground Speeds:</b> Departure: <b>120.0 Kts</b> out to <b>10.0 NM</b> Table: <b>200.0 Kts</b> up to <b>11000.0 ft</b> <b>240.0 Kts</b> up to <b>18000.0 ft</b> <b>260.0 Kts</b> up to <b>24000.0 ft</b> <b>340.0 Kts</b> up to <b>99900.0 ft</b>  <b>Wind Settings:</b> <i>None assigned</i> <b>Descent During a Turn:</b> Allowed <b>VNAV Mode:</b> Flight Plan	
	Aircraft ALTITUDE at Fly-Over WP HUUTZ too high. Flight Track comes into contact with terrain. Minimum AGL along route was -43.50 Ft. Flight Track contacted terrain (DTED 0 MAX) between AER and DER or within 2/3 NM of DER.	

DME/DME	<a href="#">Return To Summary</a>
<b>Settings:</b>	<p> <b>RNP:</b> 2.0  <b>Flight Mode:</b> Manual  <b>Line of Sight (DTED Level 0 Max):</b> Evaluated  <b>DME Restrictions:</b> Evaluated  <b>Inertial Drift:</b> Enabled            <b>Initial Drift:</b> 0.165 NM            <b>INS Drift Rate:</b> 8.000 NM/Hour  <b>Range Mode:</b> OSV  <b>Co-Frequencies:</b> Evaluated  <b>RNP Edges:</b> Evaluated  <b>Min DME Range:</b> 3.0 NM  <b>Allowed Gap Length:</b> 4.0 NM  <b>DME Types:</b> VOR/DME, VORTAC, Standalone, and User  <b>DME Include Angles:</b> 30 to 150  <b>Critical DMEs:</b> Allowed  <b>DoD Facilities:</b> Not included  <b>Foreign Facilities:</b> Not included  <b>Low DMEs:</b> Included  <b>Terminal DMEs:</b> Included  <b>Flight Check DMEs:</b> Selected  <b>Higher Altitudes:</b> Evaluated  <b>Near Maximum Altitude:</b> Evaluated  <b>Minimum MSL DMEs Avail:</b> 1589 ft </p>
<p> <b>Total Number of DMEs Used:</b> 5  Maximum DME Error: 0.541 NM.  No Critical DMEs were found.  <b>Available DMEs:</b> SVM, CRL, DXO, VWV, LFD  <b>Disabled DMEs:</b> LAN, ELX, GIJ, PMM, MKG, HIC, PLN, MNM, CTW, JFN, TVT, BDF, DNV, EON, PLL, PNT, RBS, SAM, UIN, VLA, BVT, GSH, ECB, EWO, FLM, YRK, BRD, DWN, HML, ODI, RST, CMK, DNY, GFL, GGT, HNK, HUO, LGA, HTO, MSS, PWL, RKA, SLK, UCA, ULW, CRI, AGC, BFD, CIP, ETG, FJC, FQM, IHD, LVZ, MIP, MXE, REC, SFK, SLT, TDT, THS, AUW, JVL, LNR, STE, CKB, ESL, HNN, and GRV  <b>Foreign DMEs within range:</b> YEE, YQG, YQO, YVV, YWT, YXU, YYZ </p>	



DME/DME (Continued)						<a href="#">Return To Summary</a>			
DMEs Used									
#	Name	Lat/Lon/MAGVAR	Range	Source	Critical	Err. [NM]	Status	Time	Distance
1	DXO	N 42° 12' 47.29" W 83° 22' 0.00" 06 W	H + <a href="#">ESV</a>	User	NO	1.229	Enabled	42.8%	39.8%
2	SVM	N 42° 24' 31.09" W 83° 35' 38.05" 03 W	L + <a href="#">ESV</a>	User	NO	1.054	Enabled	43.0%	40.0%
3	CRL	N 42° 2' 52.90" W 83° 27' 27.30" 03 W	H	Database	NO	0.674	Enabled	18.2%	23.5%
4	LFD	N 42° 3' 44.96" W 84° 45' 54.48" 05 W	L + <a href="#">ESV</a>	User	NO	0.998	Enabled	28.2%	36.6%
5	VWV	N 41° 27' 5.35" W 83° 38' 19.30" 02 W	L + <a href="#">ESV</a>	User	NO	0.541	Enabled	10.3%	13.3%
	Total Coverage							71.3%	76.6%
Flight Check DME Selection									
Distance [NM]		Selected DMEs						Alternate	
0.0									
1.7									
2.7		SVM	CRL						
3.5		SVM	CRL	VWV	DXO				
15.4		SVM	CRL	LFD	VWV	DXO			
Inertial Drift Segments									
#	Start Location			End Location				Length [NM]	

Available DMEs by Waypoints		<a href="#">Return To Summary</a>
Waypoint Before	Waypoint After	DME List
RW22R(AER)	RW04L(DER)	
RW04L(DER)	GH22R:	
GH22R:	EEERI	SVM and CRL
EEERI	RATIO	SVM, VWV, DXO, and CRL
RATIO	HUUTZ	SVM, VWV, DXO, LFD, and CRL

User Data					<a href="#">Return To Summary</a>		
User Data Files							
#	File Name						
1	BARI1 New2.udt						
User DMEs							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	LAN	N 42° 43' 2.62" W 84° 41' 51.03" 05 W	L	887.4	110.80	LAN	Disabled
2	LFD	N 42° 3' 44.96" W 84° 45' 54.48" 05 W	L	1040.0	111.20	LFD	Used
Restriction:		Bearing [True]: 105.0° to 160.0° Bearing [Mag]: 110.0° to 165.0°			Distance: Beyond 35.0 NM Altitude: Below 3000.0 ft		
ESV:		Bearing [True]: 95.0° to 132.0° Bearing [Mag]: 100.0° to 137.0°			Arc Distance: Out to 70.0 NM Altitude: 5000.0 to 16000.0 ft		
3	ELX	N 42° 8' 39.88" W 86° 7' 21.74" 00 E	L	793.7	116.60	ELX	Disabled
4	GIJ	N 41° 46' 7.00" W 86° 19' 6.42" 00 E	H	802.7	115.40	GIJ	Disabled
Restriction:		Bearing [True]: 360.0° to 360.0° Bearing [Mag]: 360.0° to 360.0°			Distance: Beyond 35.0 NM Altitude: Below 3500.0 ft		
5	PMM	N 42° 27' 57.73" W 86° 6' 17.32" 00 E	H	639.9	112.10	PMM	Disabled
Restriction:		Bearing [True]: 360.0° to 360.0° Bearing [Mag]: 360.0° to 360.0°			Distance: Beyond 35.0 NM Altitude: Below 3000.0 ft		
6	MKG	N 43° 10' 9.31" W 86° 2' 21.76" 01 W	L	659.1	115.20	MKG	Disabled
Restriction:		Bearing [True]: 54.0° to 89.0° Bearing [Mag]: 55.0° to 90.0°			Distance: Beyond 10.0 NM Altitude: Below 4000.0 ft		
7	HIC	N 43° 34' 29.47" W 85° 42' 58.18" 01 W	L	920.0	117.60	HIC	Disabled
Restriction:		Bearing [True]: 19.0° to 89.0° Bearing [Mag]: 20.0° to 90.0°			Distance: Beyond 30.0 NM Altitude: Below 3000.0 ft		
Restriction:		Bearing [True]: 269.0° to 289.0° Bearing [Mag]: 270.0° to 290.0°			Distance: Beyond 35.0 NM Altitude: Below 3000.0 ft		
8	PLN	N 45° 37' 50.33" W 84° 39' 50.79" 06 W	L	835.3	111.80	PLN	Disabled
9	MNM	N 45° 10' 48.58" W 87° 38' 49.83" 00 E	L	650.1	109.60	MNM	Disabled
10	CTW	N 40° 13' 45.15" W 81° 28' 35.32" 07 W	L	1180.0	111.80	CTW	Disabled

User Data (Continued)					<a href="#">Return To Summary</a>		
User DMEs (Continued)							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
11	JFN	N 41° 45' 36.42" W 80° 44' 53.20" 05 W	L	896.3	115.20	JFN	Disabled
Restriction:		Bearing [True]: 226.0° to 255.0° Bearing [Mag]: 231.0° to 260.0°			Distance: Beyond 30.0 NM Altitude: Below 3500.0 ft		
Restriction:		Bearing [True]: 121.0° to 185.0° Bearing [Mag]: 126.0° to 190.0°			Distance: Beyond 20.0 NM Altitude: Below 3500.0 ft		
Restriction:		Bearing [True]: 186.0° to 225.0° Bearing [Mag]: 191.0° to 230.0°			Distance: Beyond 0.0 NM Altitude: Below 99999.0 ft		
Restriction:		Bearing [True]: 80.0° to 120.0° Bearing [Mag]: 85.0° to 125.0°			Distance: Beyond 35.0 NM Altitude: Below 3500.0 ft		
12	TVT	N 40° 27' 29.04" W 82° 7' 36.52" 03 W	L	1330.4	116.50	TVT	Disabled
13	BDF	N 41° 9' 35.03" W 89° 35' 16.34" 00 E	H	810.0	114.70	BDF	Disabled
14	DNV	N 40° 17' 37.56" W 87° 33' 26.14" 02 E	L	698.8	111.00	DNV	Disabled
15	EON	N 41° 16' 10.68" W 87° 47' 27.79" 02 E	L	688.7	113.20	EON	Disabled
16	PLL	N 41° 57' 56.31" W 89° 31' 27.19" 03 E	L	840.0	111.20	PLL	Disabled
17	PNT	N 40° 49' 16.32" W 88° 44' 0.63" 03 E	L	680.0	109.60	PNT	Disabled
18	RBS	N 40° 34' 54.13" W 88° 9' 51.36" 02 E	L	780.0	116.80	RBS	Disabled
19	SAM	N 38° 29' 6.68" W 88° 5' 8.90" 03 E	L	540.0	116.60	SAM	Disabled
20	UIN	N 39° 50' 52.35" W 91° 16' 44.13" 05 E	H	715.1	113.60	UIN	Disabled
21	VLA	N 39° 5' 37.82" W 89° 9' 44.08" 04 E	L	605.5	114.30	VLA	Disabled
22	BVT	N 40° 33' 22.22" W 87° 4' 9.75" 01 E	H	752.2	115.10	BVT	Disabled
Restriction:		Bearing [True]: 299.0° to 45.0° Bearing [Mag]: 298.0° to 44.0°			Distance: Beyond 0.0 NM Altitude: Below 2800.0 ft		



User Data (Continued)					<a href="#">Return To Summary</a>		
User DMEs (Continued)							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
23	GSH	N 41° 31' 30.56" W 86° 1' 40.63" 00 E	H	851.8	113.70	GSH	Disabled
Restriction:		Bearing [True]: 71.0° to 129.0° Bearing [Mag]: 71.0° to 129.0°			Distance: Beyond 0.0 NM Altitude: Below 99999.0 ft		
24	ECB	N 38° 9' 30.11" W 82° 54' 36.20" 02 W	L	1070.0	110.40	ECB	Disabled
25	EWO	N 37° 37' 54.52" W 85° 40' 33.16" 01 E	L	960.0	110.80	EWO	Disabled
26	FLM	N 38° 38' 57.99" W 84° 18' 38.17" 04 W	H	808.5	117.00	FLM	Disabled
27	YRK	N 38° 38' 38.88" W 82° 58' 42.02" 05 W	L	1040.0	112.80	YRK	Disabled
28	BRD	N 46° 20' 53.81" W 94° 1' 33.54" 03 E	H	1253.9	116.90	BRD	Disabled
Restriction:		Bearing [True]: 3.0° to 3.0° Bearing [Mag]: 360.0° to 360.0°			Distance: Beyond 29.0 NM Altitude: Below 3000.0 ft		
29	DWN	N 45° 5' 14.87" W 94° 27' 13.86" 07 E	L	1130.0	109.00	DWN	Disabled
30	HML	N 48° 52' 9.07" W 97° 7' 4.45" 09 E	H	797.4	112.40	HML	Disabled
Restriction:		Bearing [True]: 84.0° to 94.0° Bearing [Mag]: 75.0° to 85.0°			Distance: Beyond 0.0 NM Altitude: Below 10000.0 ft		
Restriction:		Bearing [True]: 95.0° to 263.0° Bearing [Mag]: 86.0° to 254.0°			Distance: Beyond 35.0 NM Altitude: Below 3000.0 ft		
Restriction:		Bearing [True]: 264.0° to 279.0° Bearing [Mag]: 255.0° to 270.0°			Distance: Beyond 0.0 NM Altitude: Below 99999.0 ft		
Restriction:		Bearing [True]: 280.0° to 83.0° Bearing [Mag]: 271.0° to 74.0°			Distance: Beyond 35.0 NM Altitude: Below 3000.0 ft		
31	ODI	N 43° 54' 44.38" W 91° 28' 3.06" 01 E	H	1282.2	117.90	ODI	Disabled
32	RST	N 43° 46' 58.45" W 92° 35' 49.06" 05 E	L	1393.0	112.00	RST	Disabled
33	CMK	N 41° 16' 48.32" W 73° 34' 52.77" 12 W	L	693.8	116.60	CMK	Disabled
34	DNY	N 42° 10' 41.81" W 74° 57' 24.99" 11 W	L	2560.0	112.10	DNY	Disabled

User Data (Continued)					<a href="#">Return To Summary</a>		
User DMEs (Continued)							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
35	GFL	N 43° 20' 30.09" W 73° 36' 42.32" 14 W	L	323.7	110.20	GFL	Disabled
Restriction:		Bearing [True]: 346.0° to 346.0° Bearing [Mag]: 360.0° to 360.0°			Distance: Beyond 0.0 NM Altitude: Below 9000.0 ft		
36	GGT	N 42° 47' 20.24" W 75° 49' 36.29" 11 W	L	2040.0	117.80	GGT	Disabled
37	HNK	N 42° 3' 47.00" W 75° 18' 58.62" 11 W	H	2070.0	116.80	HNK	Disabled
38	HUO	N 41° 24' 34.87" W 74° 35' 29.74" 11 W	H	1300.3	116.10	HUO	Disabled
39	LGA	N 40° 47' 1.38" W 73° 52' 6.96" 12 W	L	8.9	113.10	LGA	Disabled
Restriction:		Bearing [True]: 233.0° to 268.0° Bearing [Mag]: 245.0° to 280.0°			Distance: Beyond 25.0 NM Altitude: Below 6000.0 ft		
40	HTO	N 40° 55' 8.38" W 72° 19' 0.14" 13 W	H	22.0	113.60	HTO	Disabled
Restriction:		Bearing [True]: 267.0° to 312.0° Bearing [Mag]: 280.0° to 325.0°			Distance: Beyond 35.0 NM Altitude: Below 1700.0 ft		
Restriction:		Bearing [True]: 312.0° to 342.0° Bearing [Mag]: 325.0° to 355.0°			Distance: Beyond 30.0 NM Altitude: Below 2000.0 ft		
41	MSS	N 44° 54' 51.92" W 74° 43' 21.78" 14 W	H	197.5	114.10	MSS	Disabled
42	PWL	N 41° 46' 11.18" W 73° 36' 1.99" 12 W	L	1250.0	114.30	PWL	Disabled
43	RKA	N 42° 27' 58.91" W 75° 14' 21.51" 11 W	L	2027.2	112.60	RKA	Disabled
44	SLK	N 44° 23' 4.41" W 74° 12' 16.21" 14 W	L	1646.8	109.20	SLK	Disabled
45	UCA	N 43° 1' 35.45" W 75° 9' 52.28" 12 W	L	1420.0	111.20	UCA	Disabled
46	ULW	N 42° 5' 39.16" W 77° 1' 28.53" 12 W	L	1631.8	109.65	ULW	Disabled
47	CRI	N 40° 36' 44.90" W 73° 53' 40.00" 11 W	T	10.0	112.30	CRI	Disabled

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User DMEs (Continued)							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
48	AGC	N 40° 16' 43.12" W 80° 2' 27.08" 09 W	L	1284.6	110.00	AGC	Disabled
49	BFD	N 41° 47' 10.99" W 78° 37' 9.65" 07 W	L	2110.6	116.60	BFD	Disabled
50	CIP	N 41° 8' 46.66" W 79° 27' 28.71" 06 W	L	1519.5	112.90	CIP	Disabled
51	ETG	N 41° 12' 53.82" W 78° 8' 33.92" 10 W	H	2250.0	116.00	ETG	Disabled
52	FJC	N 40° 43' 36.12" W 75° 27' 17.12" 10 W	L	680.6	117.50	FJC	Disabled
Restriction:		Bearing [True]: 290.0° to 50.0° Bearing [Mag]: 300.0° to 60.0°			Distance: Beyond 26.0 NM Altitude: Below 4500.0 ft		
Restriction:		Bearing [True]: 51.0° to 289.0° Bearing [Mag]: 61.0° to 299.0°			Distance: Beyond 30.0 NM Altitude: Below 4000.0 ft		
53	FQM	N 41° 20' 18.81" W 76° 46' 29.52" 09 W	L	2098.0	114.40	FQM	Disabled
54	IHD	N 39° 58' 27.27" W 79° 21' 30.12" 06 W	L	2820.0	108.20	IHD	Disabled
55	LVZ	N 41° 16' 22.09" W 75° 41' 22.08" 10 W	L	2118.8	111.60	LVZ	Disabled
56	MIP	N 41° 1' 24.21" W 76° 39' 55.04" 09 W	L	1000.0	109.20	MIP	Disabled
57	MXE	N 39° 55' 5.00" W 75° 40' 14.91" 09 W	L	473.4	113.20	MXE	Disabled
58	REC	N 40° 32' 47.25" W 78° 44' 49.28" 09 W	L	2340.0	110.60	REC	Disabled
59	SFK	N 41° 41' 42.91" W 77° 25' 11.66" 08 W	L	1984.7	108.60	SFK	Disabled
60	SLT	N 41° 30' 45.93" W 77° 58' 12.39" 08 W	H	2310.0	113.90	SLT	Disabled

User Data (Continued)					<a href="#">Return To Summary</a>		
User DMEs (Continued)							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
61	TDT	N 41° 42' 46.91" W 79° 25' 2.17" 09 W	L	1710.0	117.60	TDT	Disabled
Restriction:		Bearing [True]: 32.0° to 42.0° Bearing [Mag]: 41.0° to 51.0°			Distance: Beyond 30.0 NM Altitude: Below 4000.0 ft		
Restriction:		Bearing [True]: 296.0° to 331.0° Bearing [Mag]: 305.0° to 340.0°			Distance: Beyond 24.0 NM Altitude: Below 3500.0 ft		
Restriction:		Bearing [True]: 331.0° to 356.0° Bearing [Mag]: 340.0° to 5.0°			Distance: Beyond 24.0 NM Altitude: Below 5000.0 ft		
62	THS	N 39° 55' 59.62" W 77° 57' 3.40" 07 W	L	2338.0	115.00	THS	Disabled
63	AUW	N 44° 50' 48.40" W 89° 35' 11.68" 02 E	L	1204.7	111.60	AUW	Disabled
Restriction:		Bearing [True]: 322.0° to 302.0° Bearing [Mag]: 320.0° to 300.0°			Distance: Beyond 30.0 NM Altitude: Below 3000.0 ft		
Restriction:		Bearing [True]: 302.0° to 322.0° Bearing [Mag]: 300.0° to 320.0°			Distance: Beyond 30.0 NM Altitude: Below 4000.0 ft		
64	JVL	N 42° 33' 28.83" W 89° 6' 18.93" 03 E	L	931.4	114.30	JVL	Disabled
65	LNR	N 43° 17' 39.85" W 90° 7' 59.33" 00 E	L	1184.6	112.80	LNR	Disabled
66	STE	N 44° 32' 35.69" W 89° 31' 50.02" 01 W	L	1110.0	110.60	STE	Disabled
Restriction:		Bearing [True]: 359.0° to 359.0° Bearing [Mag]: 360.0° to 360.0°			Distance: Beyond 35.0 NM Altitude: Below 3000.0 ft		
67	CKB	N 39° 15' 11.57" W 80° 16' 4.32" 04 W	L	1425.7	112.60	CKB	Disabled
68	ESL	N 39° 13' 31.77" W 78° 59' 22.20" 06 W	L	2590.0	110.80	ESL	Disabled
69	HNN	N 38° 45' 14.85" W 82° 1' 34.20" 03 W	H	880.0	115.90	HNN	Disabled
70	GRV	N 39° 38' 6.11" W 79° 3' 1.90" 06 W	L	2640.0	112.30	GRV	Disabled
Restriction:		Bearing [True]: 301.0° to 64.0° Bearing [Mag]: 307.0° to 70.0°			Distance: Beyond 20.0 NM Altitude: Below 5000.0 ft		
Restriction:		Bearing [True]: 65.0° to 300.0° Bearing [Mag]: 71.0° to 306.0°			Distance: Beyond 20.0 NM Altitude: Below 6000.0 ft		
Restriction:		Bearing [True]: 102.0° to 107.0° Bearing [Mag]: 108.0° to 113.0°			Distance: Beyond 38.0 NM Altitude: Below 99999.0 ft		
Restriction:		Bearing [True]: 319.0° to 339.0° Bearing [Mag]: 325.0° to 345.0°			Distance: Beyond 35.0 NM Altitude: Below 99999.0 ft		

User Data (Continued)					<a href="#">Return To Summary</a>		
User DMEs (Continued)							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
71	DXO	N 42° 12' 47.29" W 83° 22' 0.00" 06 W	H	637.7	113.40	DXO	Used
Restriction:		Bearing [True]: 354.0° to 354.0° Bearing [Mag]: 360.0° to 360.0°			Distance: Beyond 30.0 NM Altitude: Below 2900.0 ft		
ESV:		Bearing [True]: 192.0° to 208.0° Bearing [Mag]: 198.0° to 214.0°			Arc Distance: Out to 50.0 NM Altitude: 5000.0 to 16000.0 ft		
72	JXN	N 42° 15' 33.27" W 84° 27' 30.77" 05 W	L	995.2	109.60	JXN	Not Used
Restriction:		Bearing [True]: 70.0° to 250.0° Bearing [Mag]: 75.0° to 255.0°			Distance: Beyond 10.0 NM Altitude: Below 3000.0 ft		
ESV:		Bearing [True]: 110.0° to 154.0° Bearing [Mag]: 115.0° to 159.0°			Arc Distance: Out to 63.0 NM Altitude: 8000.0 to 20000.0 ft		
ESV:		Bearing [True]: 150.0° to 213.0° Bearing [Mag]: 155.0° to 218.0°			Arc Distance: Out to 85.0 NM Altitude: 7800.0 to 20000.0 ft		
73	MFD	N 40° 52' 7.00" W 82° 35' 27.46" 03 W	L	1222.0	108.80	MFD	Not Used
Restriction:		Bearing [True]: 72.0° to 92.0° Bearing [Mag]: 75.0° to 95.0°			Distance: Beyond 0.0 NM Altitude: Below 99999.0 ft		
Restriction:		Bearing [True]: 148.0° to 211.0° Bearing [Mag]: 151.0° to 214.0°			Distance: Beyond 30.0 NM Altitude: Below 99999.0 ft		
ESV:		Bearing [True]: 297.0° to 314.0° Bearing [Mag]: 300.0° to 317.0°			Arc Distance: Out to 69.0 NM Altitude: 5300.0 to 20000.0 ft		
74	VWV	N 41° 27' 5.35" W 83° 38' 19.30" 02 W	L	664.2	113.10	VWV	Used
ESV:		Bearing [True]: 7.0° to 32.0° Bearing [Mag]: 9.0° to 34.0°			Arc Distance: Out to 47.0 NM Altitude: 2000.0 to 20000.0 ft		
75	SVM	N 42° 24' 31.09" W 83° 35' 38.05" 03 W	L	955.8	114.30	SVM	Used
ESV:		Bearing [True]: 171.0° to 192.0° Bearing [Mag]: 174.0° to 195.0°			Arc Distance: Out to 55.0 NM Altitude: 3900.0 to 20000.0 ft		