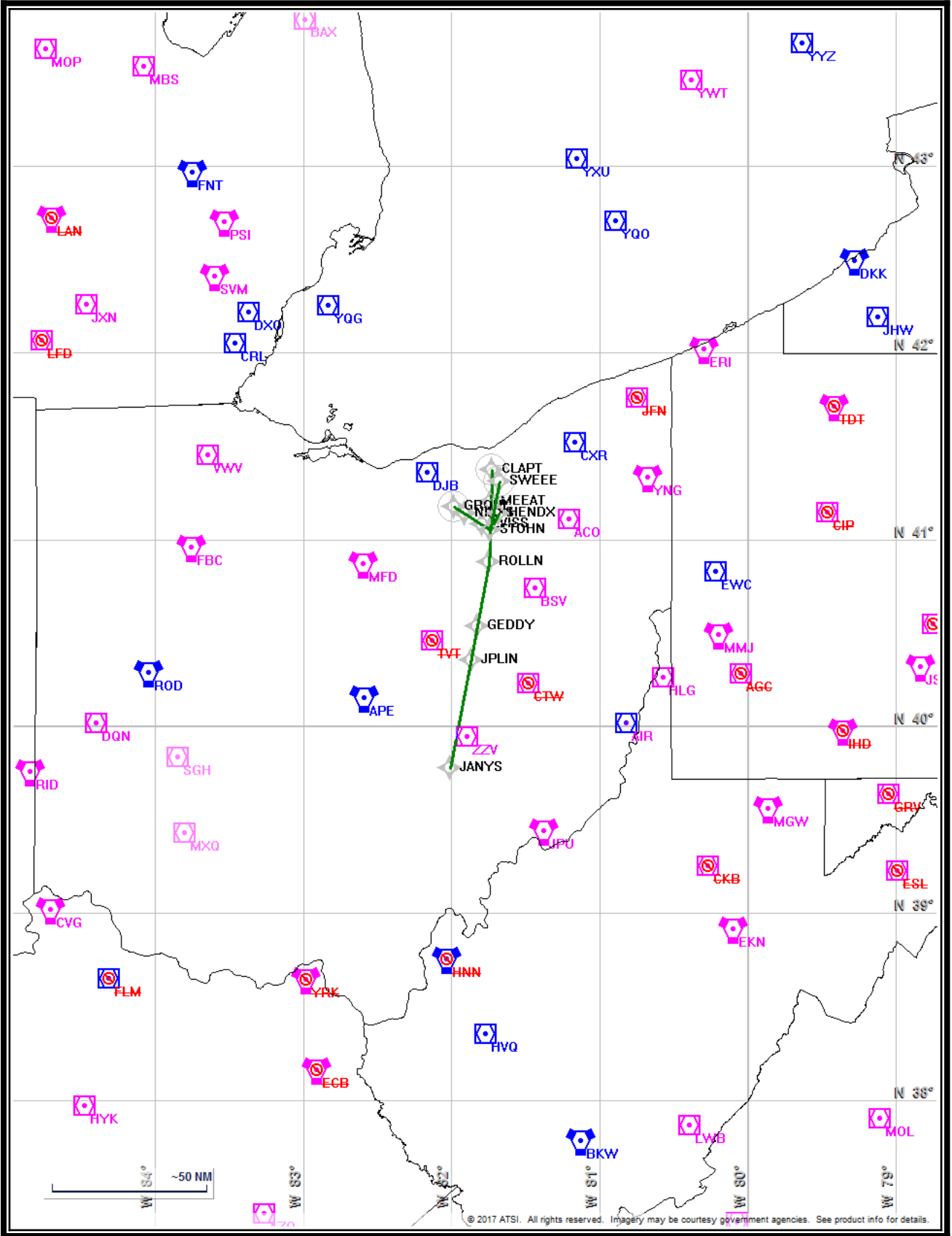


Name: Paul Jackson
Project Name: CLE ROLLN STAR
Output File: KCLE ROLLN1 STAR
 JANYS CLAPT
 20171030_1402
Procedure Name: ROLLN1
Software: RNAV-Pro™
Version: 2.39
Date/Time: 10/30/2017 2:02:38 PM
Input File: [KCLE ROLLN1 STAR
 JANYS CLAPT
 20170828_1607.txt](#)
Databases: AIRNAV Date: 9/17/2017
 CIFP Date: 7/20/2017
 DTED® (MAX) Date: 2002

Results Summary:

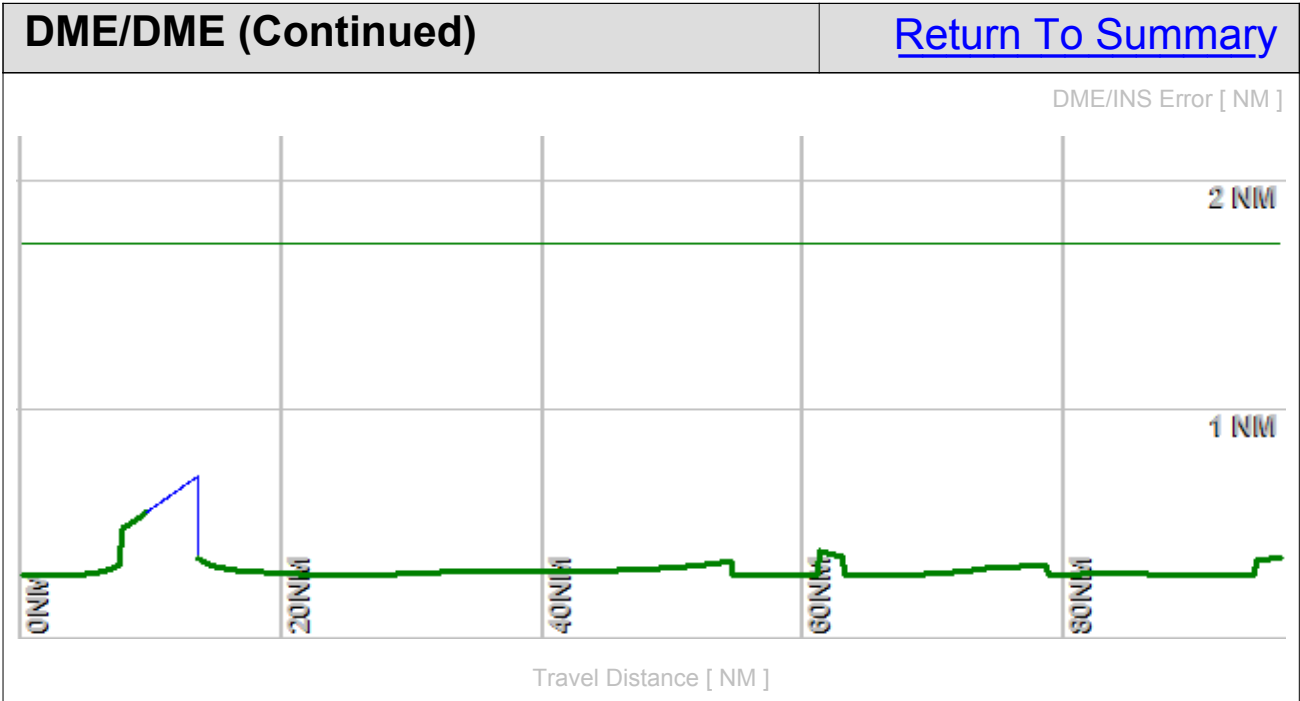
Flyability	✓	
DME/DME	✓	No Critical DMEs Exist
Radars	?	
Comms	?	
TERPS	?	



Flight Plan					Return To Summary		
Name	Type	Lat/Lon	Alt [ft]	VNAV Mode	IAS [Kts]	Turn Type	Leg Type
JANYS	WP	N 39° 46' 39.94" W 82° 0' 31.08"	10000.0	Step	280.0	Fly By	TF
JPLIN	WP	N 40° 21' 18.57" W 81° 52' 7.80"	10000.0	Step	280.0	Fly By	TF
GEDDY	WP	N 40° 32' 11.21" W 81° 49' 35.66"	10000.0	Step	280.0	Fly By	TF
ROLLN	WP	N 40° 52' 53.15" W 81° 44' 44.34"	10000.0	Step	210.0	Fly By	TF
STOHN	WP	N 41° 3' 5.79" W 81° 44' 19.06"	8000.0	Step	210.0	Fly By	TF
MEEAT	WP	N 41° 12' 6.69" W 81° 43' 57.36"	7000.0	Step	210.0	Fly By	TF
CLAPT	WP	N 41° 22' 20.63" W 81° 43' 32.22"	6000.0	Step	210.0	Fly Over	TF

Flyability		Return To Summary
Settings:	Flight Type: Arrival	
	Selected Airport: KCLE	
	Aircraft Category: Cat D	
	Climb Gradient: <i>None assigned</i>	
	Ground Speeds:	
	Table:	
	200.0 Kts up to 11000.0 ft	
	240.0 Kts up to 18000.0 ft	
	260.0 Kts up to 24000.0 ft	
	340.0 Kts up to 99900.0 ft	
	Wind Settings: <i>None assigned</i>	
	Descent During a Turn: Allowed	
	VNAV Mode: Flight Plan	
Entire track is fly-able		

DME/DME	Return To Summary
Settings:	<p> RNP: 2.0 Flight Mode: Manual Line of Sight (DTED Level 0 Max): Evaluated DME Restrictions: Evaluated Inertial Drift: Enabled Initial Drift: 0.558 NM INS Drift Rate: 8.000 NM/Hour Range Mode: OSV Co-Frequencies: Evaluated RNP Edges: Evaluated Min DME Range: 3.0 NM Allowed Gap Length: 4.0 NM DME Types: VOR/DME, VORTAC, Standalone, and User DME Include Angles: 30 to 150 Critical DMEs: Allowed DoD Facilities: Not included Foreign Facilities: Not included Low DMEs: Included Terminal DMEs: Included Flight Check DMEs: Selected Higher Altitudes: Evaluated Near Maximum Altitude: Evaluated </p>
<p>Total Number of DMEs Used: 8</p> <p>Maximum DME Error: 0.709 NM.</p> <p>No Critical DMEs were found.</p> <p>Available DMEs: AIR, APE, JPU, ZZV, BSV, ACO, DJB, CXR</p> <p>Disabled DMEs: LAN, LFD, 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>Foreign DMEs within range: YQG, YQO, YWT, YXU, YYZ, YVV, YEE</p>	



DME/DME (Continued)						Return To Summary			
DMEs Used									
#	Name	Lat/Lon/MAGVAR	Range	Source	Critical	Err. [NM]	Status	Time	Distance
1	JPU	N 39° 26' 28.25" W 81° 22' 29.15" 03 W	L	Database	NO	0.709	Enabled	1.7%	1.7%
2	ZZV	N 39° 56' 27.10" W 81° 53' 33.36" 06 W	L	Database	NO	1.234	Enabled	28.4%	28.4%
3	APE	N 40° 9' 3.83" W 82° 35' 17.88" 06 W	H	Database	NO	0.753	Enabled	21.4%	21.4%
4	AIR	N 40° 0' 59.78" W 80° 49' 1.94" 07 W	H + ESV	User	NO	0.646	Enabled	38.1%	38.1%
5	BSV	N 40° 44' 26.54" W 81° 25' 55.62" 04 W	L	Database	NO	0.709	Enabled	41.6%	41.6%
6	ACO	N 41° 6' 28.45" W 81° 12' 5.49" 04 W	L	Database	NO	1.016	Enabled	27.0%	27.0%
7	DJB	N 41° 21' 29.03" W 82° 9' 43.09" 05 W	H	Database	NO	0.709	Enabled	15.1%	15.1%
8	CXR	N 41° 31' 0.94" W 81° 9' 47.47" 05 W	H	Database	NO	0.709	Enabled	18.6%	18.6%
	Total Coverage							95.9%	95.9%
Flight Check DME Selection									
Distance [NM]		Selected DMEs						Alternate	
0.0		JPU	ZZV	APE	AIR	BSV			
35.2		ZZV	APE	AIR	BSV				
46.2		ACO	ZZV	DJB	AIR	BSV			
66.9		ACO	DJB	BSV					
77.4		ACO	CXR	DJB	BSV				
86.5		ACO	CXR	DJB	BSV				
Inertial Drift Segments									
#	Start Location			End Location				Length [NM]	

Available DMEs by Waypoints		Return To Summary
Waypoint Before	Waypoint After	DME List
JANYS	JPLIN	AIR, APE, BSV, JPU, and ZZV
JPLIN	GEDDY	AIR, APE, BSV, and ZZV
GEDDY	ROLLN	AIR, ACO, BSV, DJB, and ZZV
ROLLN	STOHN	ACO, BSV, and DJB
STOHN	MEEAT	ACO, BSV, CXR, and DJB
MEEAT	CLAPT	ACO, BSV, CXR, and DJB

User Data					Return To Summary		
User Data Files							
#	File Name						
1	ROLLN1_new.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	Disabled
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		
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)					Return To Summary		
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		

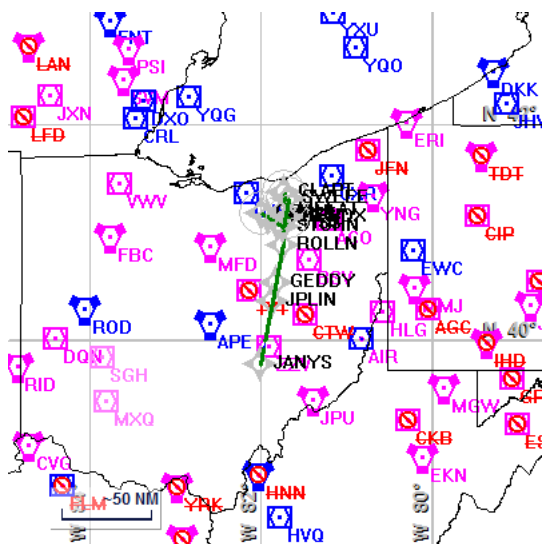
User Data (Continued)					Return To Summary		
User DMEs (Continued)							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
23	GSH	N 41° 31' 30.56" W 86° 1' 40.63" 00 E	H	851.8	113.70	GSH	Disabled
Restriction:		Bearing [True]: 71.0° to 129.0° Bearing [Mag]: 71.0° to 129.0°			Distance: 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)					Return To Summary		
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)					Return To Summary		
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)					Return To Summary		
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		

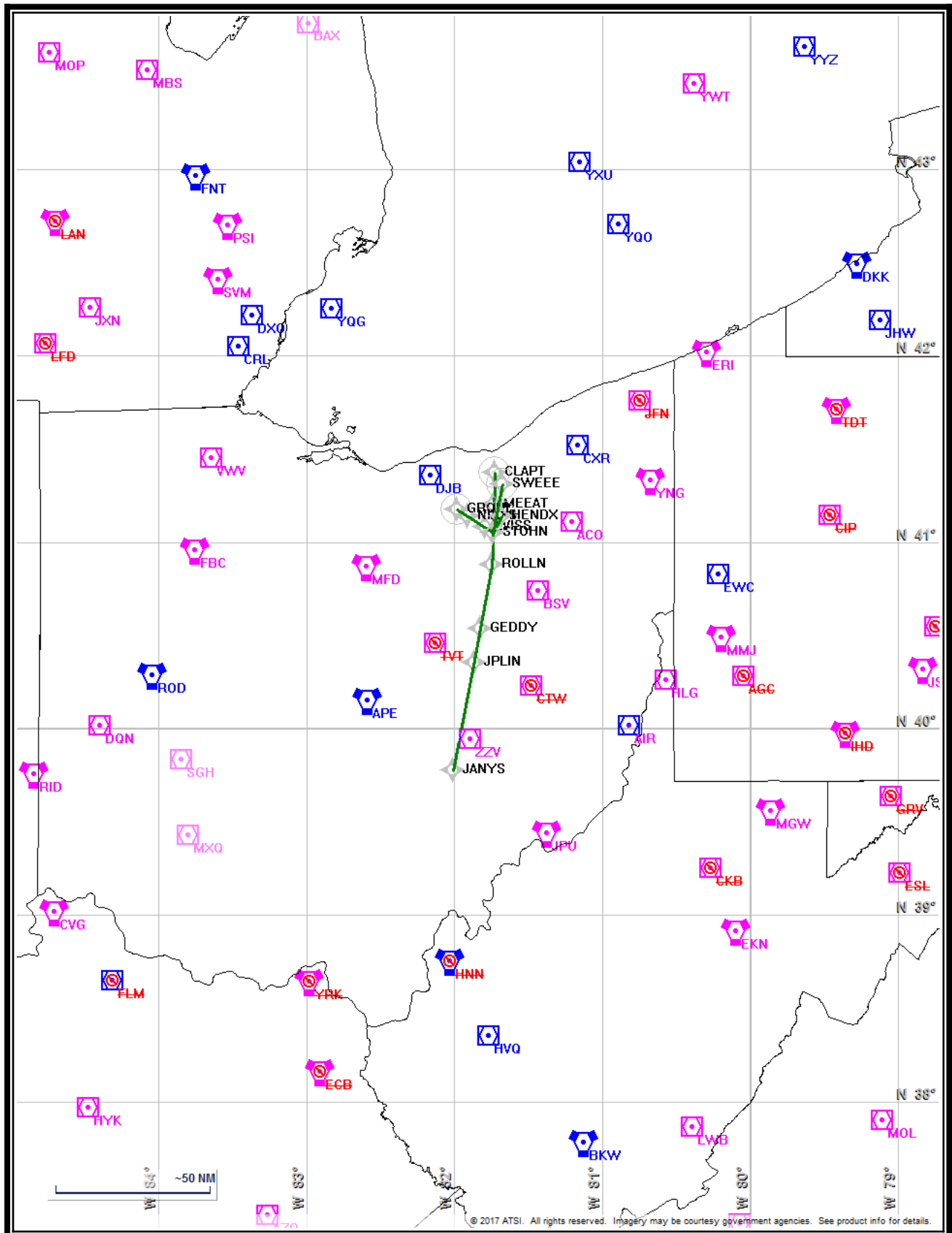
User Data (Continued)					Return To Summary		
User DMEs (Continued)							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
71	AIR	N 40° 0' 59.78" W 80° 49' 1.94" 07 W	H	1284.5	117.10	AIR	Used
		ESV:	Bearing [True]: 251.0° to 319.0° Bearing [Mag]: 258.0° to 326.0°		Arc Distance: Out to 79.0 NM Altitude: 7400.0 to 16000.0 ft		



Name: Paul Jackson
Project Name: CLE ROLLN STAR
Output File: KCLE ROLLN1 STAR
 STOHN GROHL
 20171030_1402
Procedure Name: ROLLN1
Software: RNAV-Pro™
Version: 2.39
Date/Time: 10/30/2017 2:03:22 PM
Input File: [KCLE ROLLN1 STAR
 STOHN GROHL
 20170829_1019.txt](#)
Databases: AIRNAV Date: 9/17/2017
 CIFP Date: 7/20/2017
 DTED® (MAX) Date: 2002

Results Summary:

Flyability	✓	
DME/DME	✓	No Critical DMEs Exist
Radars	?	
Comms	?	
TERPS	?	



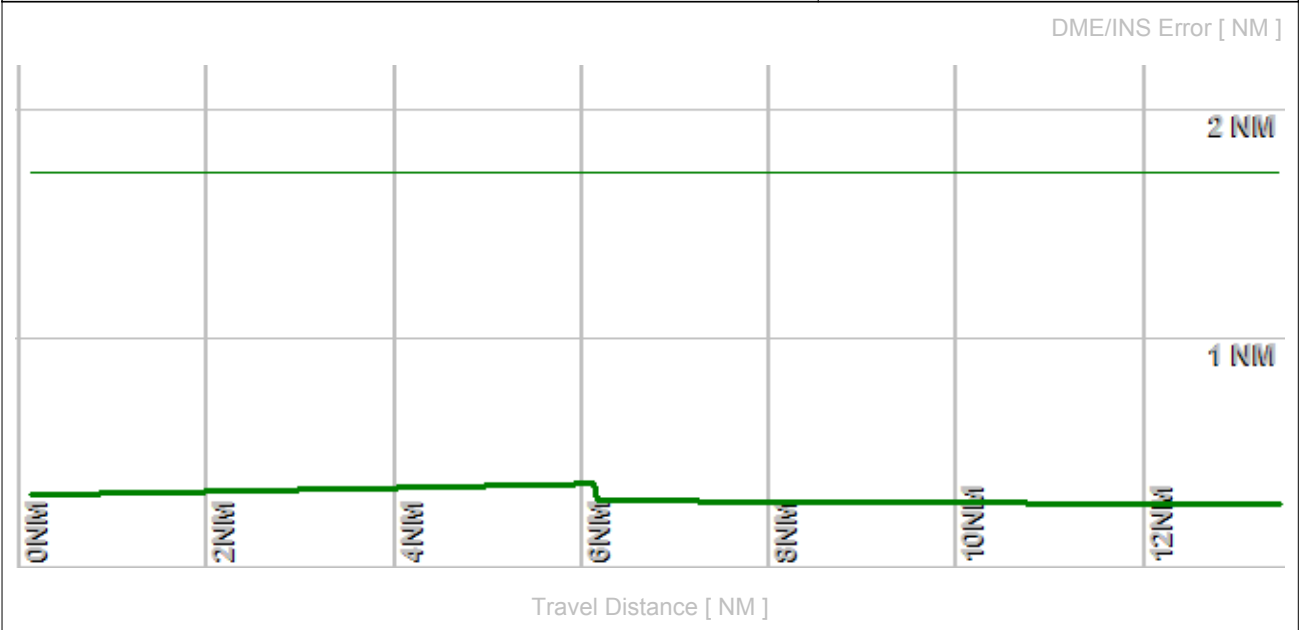
Flight Plan					Return To Summary		
Name	Type	Lat/Lon	Alt [ft]	VNAV Mode	IAS [Kts]	Turn Type	Leg Type
STOHN	WP	N 41° 3' 5.79" W 81° 44' 19.06"	8000.0	Step	210.0	Fly By	TF
LVISS	WP	N 41° 4' 52.26" W 81° 47' 47.00"	7000.0	Step	210.0	Fly By	TF
NIXXS	WP	N 41° 8' 23.56" W 81° 54' 40.80"	6000.0	Step	210.0	Fly By	TF
GROHL	WP	N 41° 10' 36.32" W 81° 59' 5.68"	5000.0	Step	210.0	Fly Over	TF

Flyability		Return To Summary
Settings:	Flight Type: Arrival Selected Airport: KCLE Aircraft Category: Cat D Climb Gradient: <i>None assigned</i> Ground Speeds: Table: 200.0 Kts up to 11000.0 ft 240.0 Kts up to 18000.0 ft 260.0 Kts up to 24000.0 ft 340.0 Kts up to 99900.0 ft Wind Settings: <i>None assigned</i> Descent During a Turn: Allowed VNAV Mode: Flight Plan	
	Entire track is fly-able	

DME/DME	Return To Summary
Settings:	<p> RNP: 2.0 Flight Mode: Manual Line of Sight (DTED Level 0 Max): Evaluated DME Restrictions: Evaluated Inertial Drift: Enabled Initial Drift: 0.558 NM INS Drift Rate: 8.000 NM/Hour Range Mode: OSV Co-Frequencies: Evaluated RNP Edges: Evaluated Min DME Range: 3.0 NM Allowed Gap Length: 4.0 NM DME Types: VOR/DME, VORTAC, Standalone, and User DME Include Angles: 30 to 150 Critical DMEs: Allowed DoD Facilities: Not included Foreign Facilities: Not included Low DMEs: Included Terminal DMEs: Included Flight Check DMEs: Selected Higher Altitudes: Evaluated Near Maximum Altitude: Evaluated </p>
<p> Total Number of DMEs Used: 4 Maximum DME Error: 0.368 NM. No Critical DMEs were found. Available DMEs: ACO, BSV, DJB, MFD Disabled DMEs: LAN, LFD, 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 Foreign DMEs within range: YEE, YQG, YQO, YVV, YWT, YXU, YYZ </p>	

DME/DME (Continued)

[Return To Summary](#)



DME/DME (Continued)						Return To Summary			
DMEs Used									
#	Name	Lat/Lon/MAGVAR	Range	Source	Critical	Err. [NM]	Status	Time	Distance
1	ACO	N 41° 6' 28.45" W 81° 12' 5.49" 04 W	L	Database	NO	0.802	Enabled	45.4%	45.4%
2	BSV	N 40° 44' 26.54" W 81° 25' 55.62" 04 W	L	Database	NO	0.433	Enabled	60.3%	60.3%
3	MFD	N 40° 52' 7.00" W 82° 35' 27.46" 03 W	L	Database	NO	0.388	Enabled	54.6%	54.6%
4	DJB	N 41° 21' 29.03" W 82° 9' 43.09" 05 W	H	Database	NO	0.368	Enabled	39.7%	39.7%
	Total Coverage							100.0%	100.0%
Flight Check DME Selection									
Distance [NM]		Selected DMEs						Alternate	
0.0		ACO	BSV	DJB					
3.2		ACO	BSV	DJB	MFD				
9.4		ACO	BSV	DJB	MFD				

Available DMEs by Waypoints		Return To Summary
Waypoint Before	Waypoint After	DME List
STOHN	LVISS	ACO, BSV, and DJB
LVISS	NIXXS	ACO, BSV, DJB, and MFD
NIXXS	GROHL	ACO, BSV, DJB, and MFD

User Data					Return To Summary		
User Data Files							
#	File Name						
1	ROLLN1_new.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	Disabled
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		
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)					Return To Summary		
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		

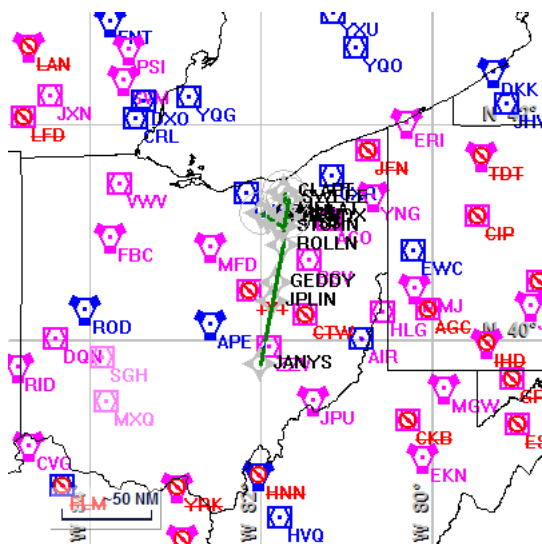
User Data (Continued)					Return To Summary		
User DMEs (Continued)							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
23	GSH	N 41° 31' 30.56" W 86° 1' 40.63" 00 E	H	851.8	113.70	GSH	Disabled
Restriction:		Bearing [True]: 71.0° to 129.0° Bearing [Mag]: 71.0° to 129.0°			Distance: 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)					Return To Summary		
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)					Return To Summary		
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)					Return To Summary		
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)					Return To Summary		
User DMEs (Continued)							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
71	AIR	N 40° 0' 59.78" W 80° 49' 1.94" 07 W	H	1284.5	117.10	AIR	Not Used
		ESV:	Bearing [True]: 251.0° to 319.0° Bearing [Mag]: 258.0° to 326.0°		Arc Distance: Out to 79.0 NM Altitude: 7400.0 to 16000.0 ft		



Name: Paul Jackson
Project Name: CLE ROLLN STAR
Output File: KCLE ROLLN1 STAR
 STOHN SWEEE
 20171030_1402
Procedure Name: ROLLN1
Software: RNAV-Pro™
Version: 2.39
Date/Time: 10/30/2017 2:04:47 PM
Input File: [KCLE ROLLN1 STAR
 STOHN SWEEE
 20170829_1021.txt](#)
Databases: AIRNAV Date: 9/17/2017
 CIFP Date: 7/20/2017
 DTED® (MAX) Date: 2002

Results Summary:

Flyability



DME/DME



No Critical DMEs Exist

Radars

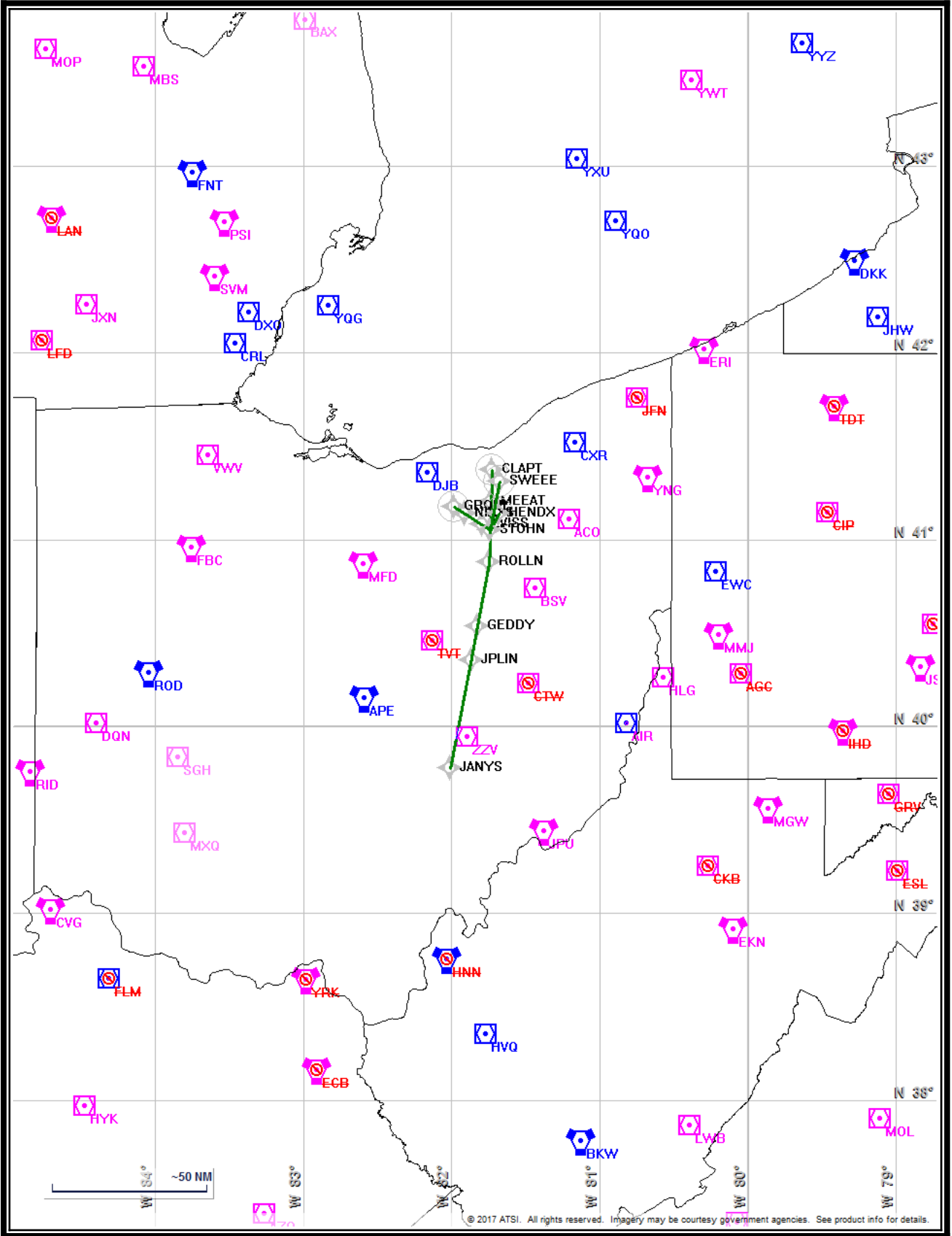


Comms



TERPS

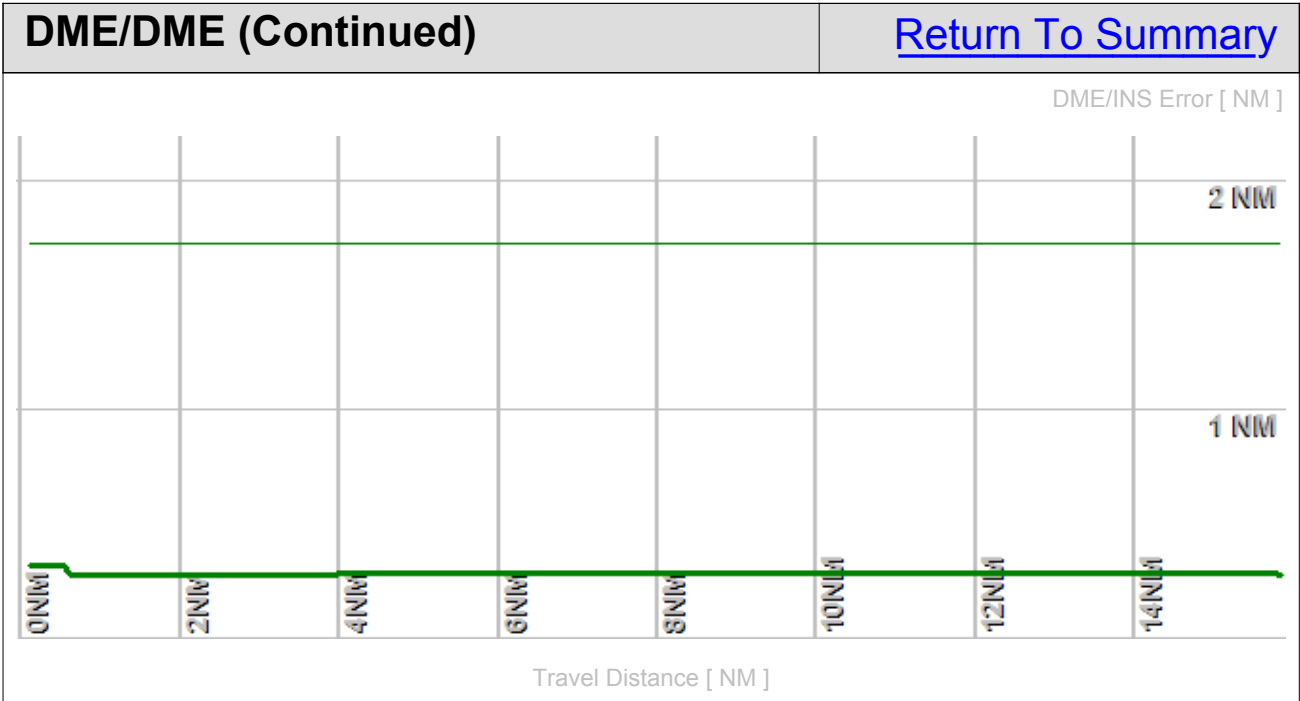




Flight Plan					Return To Summary		
Name	Type	Lat/Lon	Alt [ft]	VNAV Mode	IAS [Kts]	Turn Type	Leg Type
STOHN	WP	N 41° 3' 5.79" W 81° 44' 19.06"	8000.0	Step	210.0	Fly By	TF
SWEEE	WP	N 41° 18' 42.74" W 81° 40' 35.88"	6000.0	Step	210.0	Fly Over	TF

Flyability		Return To Summary
Settings:	Flight Type: Arrival Selected Airport: KCLE Aircraft Category: Cat D Climb Gradient: <i>None assigned</i> Ground Speeds: Table: 200.0 Kts up to 11000.0 ft 240.0 Kts up to 18000.0 ft 260.0 Kts up to 24000.0 ft 340.0 Kts up to 99900.0 ft Wind Settings: <i>None assigned</i> Descent During a Turn: Allowed VNAV Mode: Flight Plan	
	Entire track is fly-able	

DME/DME	Return To Summary
Settings:	<p> RNP: 2.0 Flight Mode: Manual Line of Sight (DTED Level 0 Max): Evaluated DME Restrictions: Evaluated Inertial Drift: Enabled Initial Drift: 0.558 NM INS Drift Rate: 8.000 NM/Hour Range Mode: OSV Co-Frequencies: Evaluated RNP Edges: Evaluated Min DME Range: 3.0 NM Allowed Gap Length: 4.0 NM DME Types: VOR/DME, VORTAC, Standalone, and User DME Include Angles: 30 to 150 Critical DMEs: Allowed DoD Facilities: Not included Foreign Facilities: Not included Low DMEs: Included Terminal DMEs: Included Flight Check DMEs: Selected Higher Altitudes: Evaluated Near Maximum Altitude: Evaluated </p>
<p> Total Number of DMEs Used: 4 Maximum DME Error: 0.319 NM. No Critical DMEs were found. Available DMEs: ACO, BSV, DJB, CXR Disabled DMEs: LAN, LFD, 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 Foreign DMEs within range: YEE, YQG, YQO, YVV, YWT, YXU, YYZ </p>	



DME/DME (Continued)						Return To Summary			
DMEs Used									
#	Name	Lat/Lon/MAGVAR	Range	Source	Critical	Err. [NM]	Status	Time	Distance
1	ACO	N 41° 6' 28.45" W 81° 12' 5.49" 04 W	L	Database	NO	0.580	Enabled	3.5%	3.5%
2	BSV	N 40° 44' 26.54" W 81° 25' 55.62" 04 W	L	Database	NO	0.366	Enabled	71.6%	71.6%
3	CXR	N 41° 31' 0.94" W 81° 9' 47.47" 05 W	H	Database	NO	0.369	Enabled	96.5%	96.5%
4	DJB	N 41° 21' 29.03" W 82° 9' 43.09" 05 W	H	Database	NO	0.319	Enabled	28.4%	28.4%
	Total Coverage							100.0%	100.0%
Flight Check DME Selection									
Distance [NM]		Selected DMEs						Alternate	
0.0		ACO	BSV	CXR	DJB				

Available DMEs by Waypoints		Return To Summary
Waypoint Before	Waypoint After	DME List
STOHN	SWEEE	ACO, BSV, CXR, and DJB

User Data					Return To Summary		
User Data Files							
#	File Name						
1	ROLLN1_new.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	Disabled
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		
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)					Return To Summary		
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		

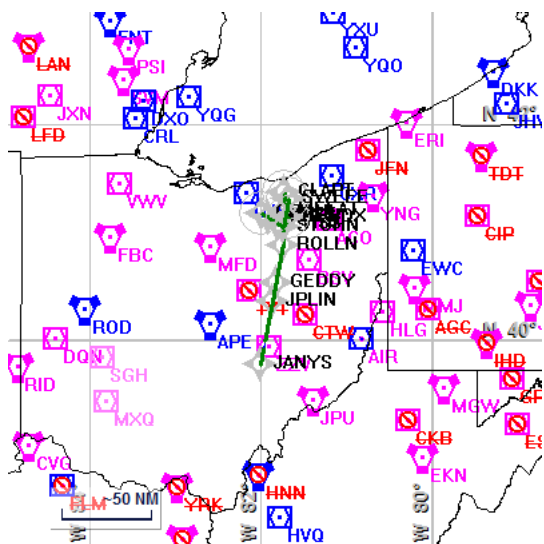
User Data (Continued)					Return To Summary		
User DMEs (Continued)							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
23	GSH	N 41° 31' 30.56" W 86° 1' 40.63" 00 E	H	851.8	113.70	GSH	Disabled
Restriction:		Bearing [True]: 71.0° to 129.0° Bearing [Mag]: 71.0° to 129.0°			Distance: 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)					Return To Summary		
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)					Return To Summary		
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)					Return To Summary		
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)					Return To Summary		
User DMEs (Continued)							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
71	AIR	N 40° 0' 59.78" W 80° 49' 1.94" 07 W	H	1284.5	117.10	AIR	Not Used
		ESV:	Bearing [True]: 251.0° to 319.0° Bearing [Mag]: 258.0° to 326.0°		Arc Distance: Out to 79.0 NM Altitude: 7400.0 to 16000.0 ft		



Results Summary:

Flyability



DME/DME



No Critical DMEs Exist

Radars

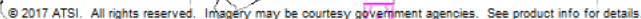


Comms



TERPS

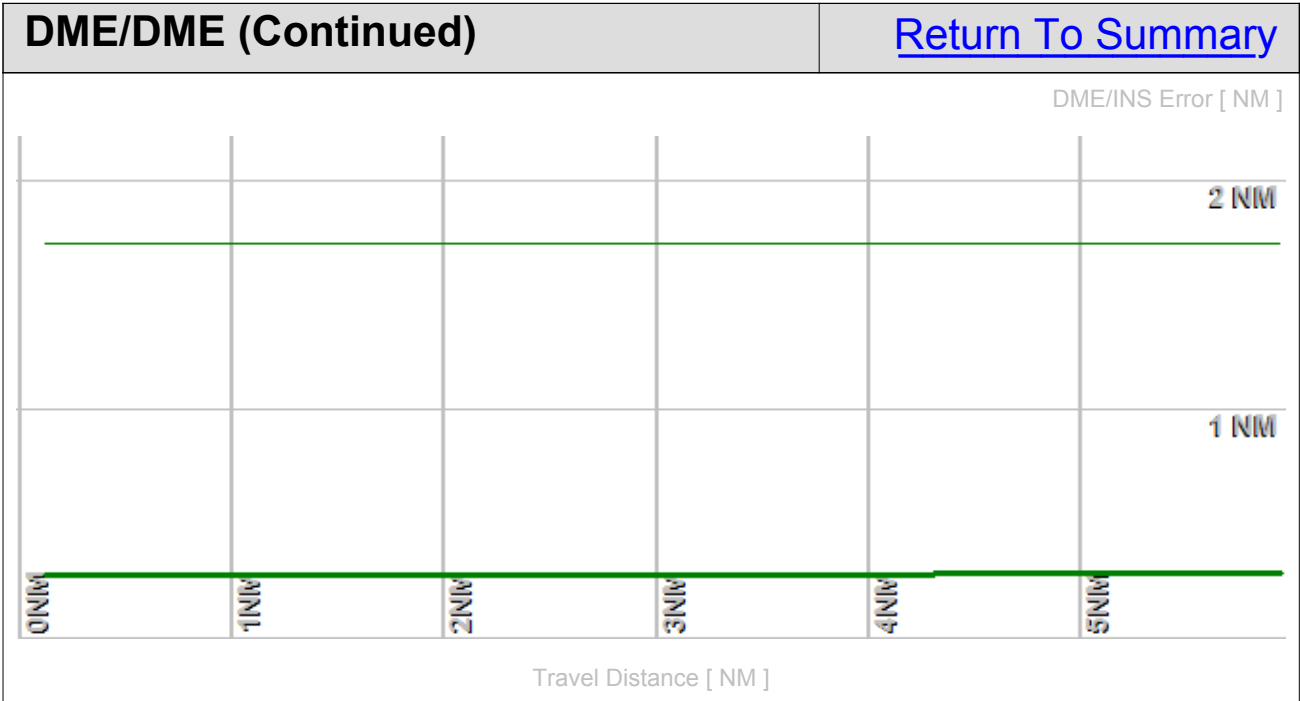




Flight Plan					Return To Summary		
Name	Type	Lat/Lon	Alt [ft]	VNAV Mode	IAS [Kts]	Turn Type	Leg Type
STOHN	WP	N 41° 3' 5.79" W 81° 44' 19.06"	8000.0	Step	180.0	Fly By	TF
HENDX	WP	N 41° 8' 28.77" W 81° 40' 48.24"	8000.0	Step	180.0	Fly Over	TF

Flyability		Return To Summary
Settings:	<div>Flight Type:</div> <div>Selected Airport: KCLE</div> <div>Aircraft Category: Cat D</div> <div>Climb Gradient: <i>None assigned</i></div> <div>Ground Speeds:</div> <div>Table:</div> <div><div>200.0 Kts up to 11000.0 ft</div><div>240.0 Kts up to 18000.0 ft</div><div>260.0 Kts up to 24000.0 ft</div><div>340.0 Kts up to 99900.0 ft</div></div> <div>Wind Settings: <i>None assigned</i></div> <div>Descent During a Turn: Allowed</div> <div>VNAV Mode: Flight Plan</div>	
	Entire track is fly-able	

DME/DME	Return To Summary
Settings:	<p>RNP: 2.0</p> <p>Flight Mode: Manual</p> <p>Line of Sight (DTED Level 0 Max): Evaluated</p> <p>DME Restrictions: Evaluated</p> <p>Inertial Drift: Enabled</p> <p> Initial Drift: 0.558 NM</p> <p> INS Drift Rate: 8.000 NM/Hour</p> <p>Range Mode: OSV</p> <p>Co-Frequencies: Evaluated</p> <p>RNP Edges: Evaluated</p> <p>Min DME Range: 3.0 NM</p> <p>Allowed Gap Length: 4.0 NM</p> <p>DME Types: VOR/DME, VORTAC, Standalone, and User</p> <p>DME Include Angles: 30 to 150</p> <p>Critical DMEs: Allowed</p> <p>DoD Facilities: Not included</p> <p>Foreign Facilities: Not included</p> <p>Low DMEs: Included</p> <p>Terminal DMEs: Included</p> <p>Flight Check DMEs: Selected</p> <p>Higher Altitudes: Evaluated</p> <p>Near Maximum Altitude: Evaluated</p>
<p>Total Number of DMEs Used: 2</p> <p>Maximum DME Error: 0.288 NM.</p> <p>No Critical DMEs were found.</p> <p>Available DMEs: ACO, BSV, CXR, DJB</p> <p>Disabled DMEs: LAN, LFD, 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>Foreign DMEs within range: YEE, YQG, YQO, YVV, YWT, YXU, YYZ</p>	



DME/DME (Continued)						Return To Summary			
DMEs Used									
#	Name	Lat/Lon/MAGVAR	Range	Source	Critical	Err. [NM]	Status	Time	Distance
1	CXR	N 41° 31' 0.94" W 81° 9' 47.47" 05 W	H	Database	NO	0.323	Enabled	100.0%	100.0%
2	DJB	N 41° 21' 29.03" W 82° 9' 43.09" 05 W	H	Database	NO	0.295	Enabled	100.0%	100.0%
	Total Coverage							100.0%	100.0%
Flight Check DME Selection									
Distance [NM]		Selected DMEs						Alternate	
0.0		CXR	DJB	ACO	BSV				

Available DMEs by Waypoints		Return To Summary
Waypoint Before	Waypoint After	DME List
STOHN	HENDX	ACO, BSV, CXR, and DJB

User Data					Return To Summary		
User Data Files							
#	File Name						
1	ROLLN1_new.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	Disabled
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		
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)					Return To Summary		
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)					Return To Summary		
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)					Return To Summary		
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)					Return To Summary		
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)					Return To Summary		
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)					Return To Summary		
User DMEs (Continued)							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
71	AIR	N 40° 0' 59.78" W 80° 49' 1.94" 07 W	H	1284.5	117.10	AIR	Not Used
		ESV:	Bearing [True]: 251.0° to 319.0° Bearing [Mag]: 258.0° to 326.0°		Arc Distance: Out to 79.0 NM Altitude: 7400.0 to 16000.0 ft		