

## DME DME Assessment Results for WNGNT (RNAV) path JACCI\_YNDER\_

### Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Paul CTR Jackson
Project File:	S:\530View\ZZ4 TT TARGETs Transfer 30 days\CLE-DET Metroplex 20191010 DME\DTW STAR WNGNT TWO 20190404 DME.tgs
Output File:	S:\530View\ZZ6 TT RNAV PROJ\DTW PI STARS 20191010\DTW WNGNT2\KDTW WNGNT (RNAV)_2019-04-04_0349\JACCI_YNDER_KDTW WNGNT (RNAV) RNAV STAR_JACCI_YNDER_2019-04-04_0349.pdf
Procedure Name:	WNGNT (RNAV)
Software: DmeDmePlugin:	5.5.1
Date/Time:	04/04/2019 03:49 PM CDT
Databases:	DTED 0 Max

### Failures

No Failures

### Notes For Flight Check

None

### Flight Plan

Name	Type	Lat/Lon	Altitude (ft)	VNAV Mode	IAS (kts)	Turn Type	Leg Type
JACCI	WP	N42° 28' 11.29", W078° 43' 46.85"	10000	VNAV	280	FLY_BY	TF
VOLPE	WP	N42° 31' 09.00", W080° 37' 00.00"	10000	VNAV	280	FLY_BY	TF
SAYCH	WP	N42° 31' 30.93", W081° 22' 12.90"	10000	VNAV	280	FLY_BY	TF
NUTTZ	WP	N42° 29' 34.64", W081° 47' 53.65"	10000	VNAV	280	FLY_BY	TF
WNGNT_	WP	N42° 27' 02.72", W082° 19' 36.19"	8000	VNAV	280	FLY_BY	TF
BOUTU	WP	N42° 23' 20.18", W082° 46' 15.61"	8000	VNAV	280	FLY_BY	TF
ROOAD	WP	N42° 17' 03.52", W083° 09' 10.36"	8000	VNAV	250	FLY_BY	TF
CADLC_	WP	N42° 15' 40.55", W083° 28' 49.94"	8000	VNAV	250	FLY_BY	TF
YNDER_	WP	N42° 12' 15.11", W083° 31' 37.13"	8000	VNAV	210	FLY_OVER	TF

### Flyability

Flight Type:	RNAV_STAR
Selected Airport:	KDTW
Climb Gradient:	None assigned
Speeds:	200 Ground Speed to 11000 FT
	240 Ground Speed to 18000 FT
	260 Ground Speed to 24000 FT
	340 Ground Speed above 24000 FT
Descent During a Turn:	Allowed
VNAV Mode:	Flight Plan

## DME DME Assessment Results for WNGNT (RNAV) path JACCI\_YNDER\_

DME/DME	
RNP:	RNP 2
Flight Mode:	Manual
Line of Sight (DTED Level 0 Max):	Evaluated
Inertial Drift:	Enabled
Initial Drift:	0.558 NM
INS Drift Rate:	8.0 NM/Hour
Range Mode:	OSV
RNP Edges:	Evaluated
Min DME Range:	3.0 NM
DME Types:	DME, VOR-DME, VORTAC
DME Include Angles:	30 to 150
Critical DMEs:	Allowed
DoD Facilities:	Not included
Foreign Facilities:	Included
High DMEs:	Included
Low DMEs:	Included
Terminal DMEs:	Included
Flight Check DMEs:	Not selected
Higher Altitudes:	Not Evaluated
Near Maximum Altitude:	Not Evaluated
Automatic ESVs:	Not enabled
Disabled DMEs:	AGC,AUW,BDF,BFD,BRD,BVT,CIP,C KB,CMK,CRI,CTW,DNV,DNY,DWN,E CB,ELX,EON,ESL,ETG,EWO,FJC,FL M,FQM,GFL,GGT,GIJ,GRV,GSH,HIC, HML,HNK,HNN,HTO,HUO,IHD,JFN,J VL,LAN,LFD,LGA,LNR,LVZ,MIP,MKG, MNM,MSS,MXE,ODI,PLL,PLN,PMM,P NT,PWL,RBS,REC,RKA,RST,SAM,SF K,SLK,SLT,TDT,THS,UCA,UIN,ULW,V LA,YRK

**DME DME Assessment Results for WNGNT (RNAV) path JACCI\_YNDER**

<b>DME/DME (Continued)</b>										
<b>DMEs Used</b>										
#	Name	Lat/Lon	MAGVAR	Range	Type	Source	Critical	Status	Time	Distance
1	ERI	N42° 01' 02.63", W080° 17' 33.71"	6.0 W	40	L	AIRNAV2	NO	Enabled	70.2 %	70.9 %
2	JHW	N42° 11' 18.98", W079° 07' 16.71"	7.0 W	130	H	AIRNAV2	NO	Enabled	23 %	23.2 %
3	DXO	N42° 12' 47.29", W083° 21' 59.99"	6.0 W	130	H	AIRNAV2	NO	Enabled	18.8 %	18.4 %
4	DKK	N42° 29' 25.44", W079° 16' 26.77"	0.0 E	130	H	AIRNAV2	NO	Enabled	23.1 %	23.4 %
5	PSI	N42° 42' 03.09", W083° 31' 57.98"	0.0 E	40	L	AIRNAV2	NO	Enabled	16.5 %	15.6 %
6	YXU	N43° 02' 16.48", W081° 08' 56.15"	8.0 W	130	H	AIRNAV2	NO	Enabled	14.9 %	15.1 %
7	ELZ	N42° 05' 22.73", W077° 59' 58.41"	9.0 W	40	L	AIRNAV2	NO	Enabled	20.4 %	20.6 %
8	DJB	N41° 21' 29.03", W082° 09' 43.09"	5.0 W	130	H	AIRNAV2	NO	Enabled	8.7 %	8.8 %
9	YQG	N42° 14' 59.00", W082° 49' 44.20"	6.0 W	130	H	AIRNAV2	NO	Enabled	31.6 %	30.9 %
10	YQO	N42° 42' 24.17", W080° 53' 16.39"	8.0 W	130	H	AIRNAV2	NO	Enabled	32.4 %	32.7 %
11	CXR	N41° 31' 00.94", W081° 09' 47.47"	5.0 W	130	H	AIRNAV2	NO	Enabled	66.8 %	67.5 %
12	SVM	N42° 24' 31.11", W083° 35' 38.05"	3.0 W	40	L	AIRNAV2	NO	Enabled	18.9 %	18.1 %
13	CRL	N42° 02' 52.90", W083° 27' 27.26"	3.0 W	130	H	AIRNAV2	NO	Enabled	18.6 %	17.8 %
14	AGC	N40° 16' 43.12", W080° 02' 27.08"	9.0 W	40	L	AIRNAV2	NO	Disabled		
15	AUW	N44° 50' 48.40", W089° 35' 11.68"	2.0 E	40	L	AIRNAV2	NO	Disabled		
16	BDF	N41° 09' 35.03", W089° 35' 16.34"	0.0 E	130	H	AIRNAV2	NO	Disabled		
17	BFD	N41° 47' 10.99", W078° 37' 09.65"	7.0 W	40	L	AIRNAV2	NO	Disabled		
18	BVT	N40° 33' 22.22", W087° 04' 09.75"	1.0 E	130	H	AIRNAV2	NO	Disabled		
19	CIP	N41° 08' 46.66", W079° 27' 28.71"	6.0 W	40	L	AIRNAV2	NO	Disabled		
20	CKB	N39° 15' 11.58", W080° 16' 04.30"	4.0 W	40	L	AIRNAV2	NO	Disabled		
21	CMK	N41° 16' 48.32", W073° 34' 52.77"	12.0 W	40	L	AIRNAV2	NO	Disabled		
22	CRI	N40° 36' 44.90", W073° 53' 40.00"	11.0 W	25	T	AIRNAV2	NO	Disabled		
23	CTW	N40° 13' 45.15", W081° 28' 35.32"	7.0 W	40	L	AIRNAV2	NO	Disabled		
24	DNV	N40° 17' 37.56", W087° 33' 26.14"	2.0 E	40	L	AIRNAV2	NO	Disabled		
25	DNY	N42° 10' 41.81", W074° 57' 24.99"	11.0 W	40	L	AIRNAV2	NO	Disabled		
26	DWN	N45° 05' 14.87", W094° 27' 13.86"	7.0 E	40	L	AIRNAV2	NO	Disabled		
27	ECB	N38° 09' 30.11", W082° 54' 36.20"	2.0 W	40	L	AIRNAV2	NO	Disabled		
28	ELX	N42° 08' 39.88", W086° 07' 21.74"	0.0 E	40	L	AIRNAV2	NO	Disabled		
29	EON	N41° 16' 10.68", W087° 47' 27.79"	2.0 E	40	L	AIRNAV2	NO	Disabled		
30	ESL	N39° 13' 31.77", W078° 59' 22.20"	6.0 W	40	L	AIRNAV2	NO	Disabled		
31	ETG	N41° 12' 53.82", W078° 08' 33.92"	10.0 W	130	H	AIRNAV2	NO	Disabled		
32	EWO	N37° 37' 54.52", W085° 40' 33.16"	1.0 E	40	L	AIRNAV2	NO	Disabled		
33	FJC	N40° 43' 36.12", W075° 27' 17.12"	10.0 W	40	L	AIRNAV2	NO	Disabled		

**DME DME Assessment Results for WNGNT (RNAV) path JACCI\_YNDER**

<b>DME/DME (Continued)</b>										
<b>DMEs Used</b>										
#	Name	Lat/Lon	MAGVAR	Range	Type	Source	Critical	Status	Time	Distance
34	FLM	N38° 38' 57.99", W084° 18' 38.17"	4.0 W	130	H	AIRNAV2	NO	Disabled		
35	FQM	N41° 20' 18.81", W076° 46' 29.52"	9.0 W	40	L	AIRNAV2	NO	Disabled		
36	GFL	N43° 20' 30.09", W073° 36' 42.32"	14.0 W	40	L	AIRNAV2	NO	Disabled		
37	GGT	N42° 47' 20.24", W075° 49' 36.29"	11.0 W	40	L	AIRNAV2	NO	Disabled		
38	GIJ	N41° 46' 07.00", W086° 19' 06.42"	0.0 E	130	H	AIRNAV2	NO	Disabled		
39	GRV	N39° 38' 06.11", W079° 03' 01.90"	6.0 W	40	L	AIRNAV2	NO	Disabled		
40	GSH	N41° 31' 30.56", W086° 01' 40.63"	0.0 E	130	H	AIRNAV2	NO	Disabled		
41	HIC	N43° 34' 29.47", W085° 42' 58.18"	1.0 W	40	L	AIRNAV2	NO	Disabled		
42	HML	N48° 52' 09.09", W097° 07' 01.51"	9.0 E	130	H	AIRNAV2	NO	Disabled		
43	HNK	N42° 03' 47.01", W075° 18' 58.62"	11.0 W	130	H	AIRNAV2	NO	Disabled		
44	HNN	N38° 45' 14.85", W082° 01' 34.20"	3.0 W	130	H	AIRNAV2	NO	Disabled		
45	HTO	N40° 55' 08.38", W072° 19' 00.14"	13.0 W	130	H	AIRNAV2	NO	Disabled		
46	HUO	N41° 24' 34.87", W074° 35' 29.74"	11.0 W	130	H	AIRNAV2	NO	Disabled		
47	IHD	N39° 58' 27.27", W079° 21' 30.12"	6.0 W	40	L	AIRNAV2	NO	Disabled		
48	JFN	N41° 45' 36.42", W080° 44' 53.20"	5.0 W	40	L	AIRNAV2	NO	Disabled		
49	JVL	N42° 33' 28.83", W089° 06' 18.93"	3.0 E	40	L	AIRNAV2	NO	Disabled		
50	LFD	N42° 03' 44.96", W084° 45' 54.48"	5.0 W	40	L	AIRNAV2	NO	Disabled		
51	LGA	N40° 47' 01.38", W073° 52' 06.96"	12.0 W	40	L	AIRNAV2	NO	Disabled		
52	LNR	N43° 17' 39.85", W090° 07' 59.33"	0.0 E	40	L	AIRNAV2	NO	Disabled		
53	LVZ	N41° 16' 22.10", W075° 41' 22.07"	10.0 W	40	L	AIRNAV2	NO	Disabled		
54	MIP	N41° 01' 24.21", W076° 39' 55.04"	9.0 W	40	L	AIRNAV2	NO	Disabled		
55	MKG	N43° 10' 09.31", W086° 02' 21.76"	1.0 W	40	L	AIRNAV2	NO	Disabled		
56	MNM	N45° 10' 48.58", W087° 38' 49.83"	0.0 E	40	L	AIRNAV2	NO	Disabled		
57	MSS	N44° 54' 51.92", W074° 43' 21.78"	14.0 W	130	H	AIRNAV2	NO	Disabled		
58	MXE	N39° 55' 04.98", W075° 40' 14.96"	9.0 W	40	L	AIRNAV2	NO	Disabled		
59	ODI	N43° 54' 44.38", W091° 28' 03.06"	1.0 E	130	H	AIRNAV2	NO	Disabled		
60	PLL	N41° 57' 56.31", W089° 31' 27.19"	3.0 E	40	L	AIRNAV2	NO	Disabled		
61	PLN	N45° 37' 50.33", W084° 39' 50.79"	6.0 W	40	L	AIRNAV2	NO	Disabled		
62	PMM	N42° 27' 57.73", W086° 06' 17.32"	0.0 E	130	H	AIRNAV2	NO	Disabled		
63	PNT	N40° 49' 16.32", W088° 44' 00.63"	3.0 E	40	L	AIRNAV2	NO	Disabled		
64	PWL	N41° 46' 11.18", W073° 36' 01.99"	12.0 W	40	L	AIRNAV2	NO	Disabled		
65	RBS	N40° 34' 54.13", W088° 09' 51.36"	2.0 E	40	L	AIRNAV2	NO	Disabled		
66	REC	N40° 32' 47.25", W078° 44' 49.28"	9.0 W	40	L	AIRNAV2	NO	Disabled		

**DME DME Assessment Results for WNGNT (RNAV) path JACCI\_YNDER\_**

<b>DME/DME (Continued)</b>										
<b>DMEs Used</b>										
<b>#</b>	<b>Name</b>	<b>Lat/Lon</b>	<b>MAGVAR</b>	<b>Range</b>	<b>Type</b>	<b>Source</b>	<b>Critical</b>	<b>Status</b>	<b>Time</b>	<b>Distance</b>
67	RKA	N42° 27' 58.91", W075° 14' 21.51"	11.0 W	40	L	AIRNAV2	NO	Disabled		
68	RST	N43° 46' 58.45", W092° 35' 49.06"	5.0 E	40	L	AIRNAV2	NO	Disabled		
69	SAM	N38° 29' 06.68", W088° 05' 08.90"	3.0 E	40	L	AIRNAV2	NO	Disabled		
70	SFK	N41° 41' 42.91", W077° 25' 11.66"	8.0 W	40	L	AIRNAV2	NO	Disabled		
71	SLK	N44° 23' 04.42", W074° 12' 16.22"	14.0 W	40	L	AIRNAV2	NO	Disabled		
72	SLT	N41° 30' 45.93", W077° 58' 12.39"	8.0 W	130	H	AIRNAV2	NO	Disabled		
73	TDT	N41° 42' 46.91", W079° 25' 02.17"	9.0 W	40	L	AIRNAV2	NO	Disabled		
74	THS	N39° 55' 59.62", W077° 57' 03.40"	7.0 W	40	L	AIRNAV2	NO	Disabled		
75	UCA	N43° 01' 35.45", W075° 09' 52.28"	12.0 W	40	L	AIRNAV2	NO	Disabled		
76	UIN	N39° 50' 52.35", W091° 16' 44.13"	5.0 E	130	H	AIRNAV2	NO	Disabled		
77	ULW	N42° 05' 39.16", W077° 01' 28.53"	12.0 W	40	L	AIRNAV2	NO	Disabled		
78	VLA	N39° 05' 37.82", W089° 09' 44.08"	4.0 E	40	L	AIRNAV2	NO	Disabled		
79	YRK	N38° 38' 38.88", W082° 58' 42.02"	5.0 W	40	L	AIRNAV2	NO	Disabled		

# DME DME Assessment Results for WNGNT (RNAV) path JACCI\_YNDER\_

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	ELZ	JHW	ERI	DKK		
20.1	ERI	JHW	ELZ			
30.2	ERI	JHW	ELZ	DKK		
31.1	ERI	JHW	CXR	ELZ	DKK	
33.7	ERI	JHW	ELZ	DKK		
34.4	ERI	JHW	CXR	ELZ	DKK	
38.2	ERI	JHW	CXR	ELZ		
41.4	ERI	JHW	CXR	ELZ	DKK	
44.7	ERI	JHW	CXR	DKK		
50.5	ERI	DKK	CXR			
58.9	ERI	YQO	DKK	CXR		
64.1	ERI	YQO	CXR			
88.0	CXR	YQO	YXU	ERI		
92.1	CXR	ERI	YXU			
95.1	CXR	ERI	YQO	YXU		
96.0	CXR	ERI	YQO			
101.3	ERI	YQO	CXR	YXU		
117.3	ERI	YXU	CXR	YQO	DJB	
126.2	CXR	YQO	DJB	ERI		
133.0	DJB	ERI	CXR			
136.4	CXR	ERI				
145.7	CXR	YQG	ERI			
153.8	CXR	YQG				
169.1	CXR	YQG	DXO			
177.5	CXR	YQG	SVM	DXO		
178.3	YQG	SVM	DXO	CRL		
182.9	YQG	SVM	DXO	CRL	PSI	
184.9	CRL	PSI	DXO	SVM		
185.9	YQG	DXO	CRL	PSI	SVM	
194.6	CRL	PSI	DXO	SVM		
197.3	CRL	PSI	DXO	SVM	YQG	
198.2	PSI	DXO	CRL	SVM		
198.3	PSI	DXO	CRL	SVM	YQG	
205.1	CRL	SVM	YQG	PSI		
211.4	YQG	CRL	PSI	DXO	SVM	
213.7	YQG	PSI	CRL	SVM		
215.1	YQG	PSI	CRL	DXO	SVM	

Inertial Drift Segments			
#	Start Location	End Location	Length [NM]

Available DMEs by Waypoints		
Waypoint Before	Waypoint After	DME List
JACCI	VOLPE	ELZ, DKK, YQO, JHW, CXR, ERI
VOLPE	SAYCH	YQO, YXU, CXR, ERI
SAYCH	NUTTZ	YQO, YXU, CXR, ERI, DJB
NUTTZ	WNGNT_	CXR, DJB, ERI, YQG
WNGNT_	BOUTU	DXO, SVM, CXR, CRL, YQG
BOUTU	ROOAD	PSI, DXO, SVM, CRL, YQG
ROOAD	CADLC_	PSI, DXO, SVM, CRL, YQG
CADLC_	YNDER_	PSI, DXO, SVM, CRL, YQG

# DME DME Assessment Results for WNGNT (RNAV) path JACCI\_YNDER\_

## User Data Files

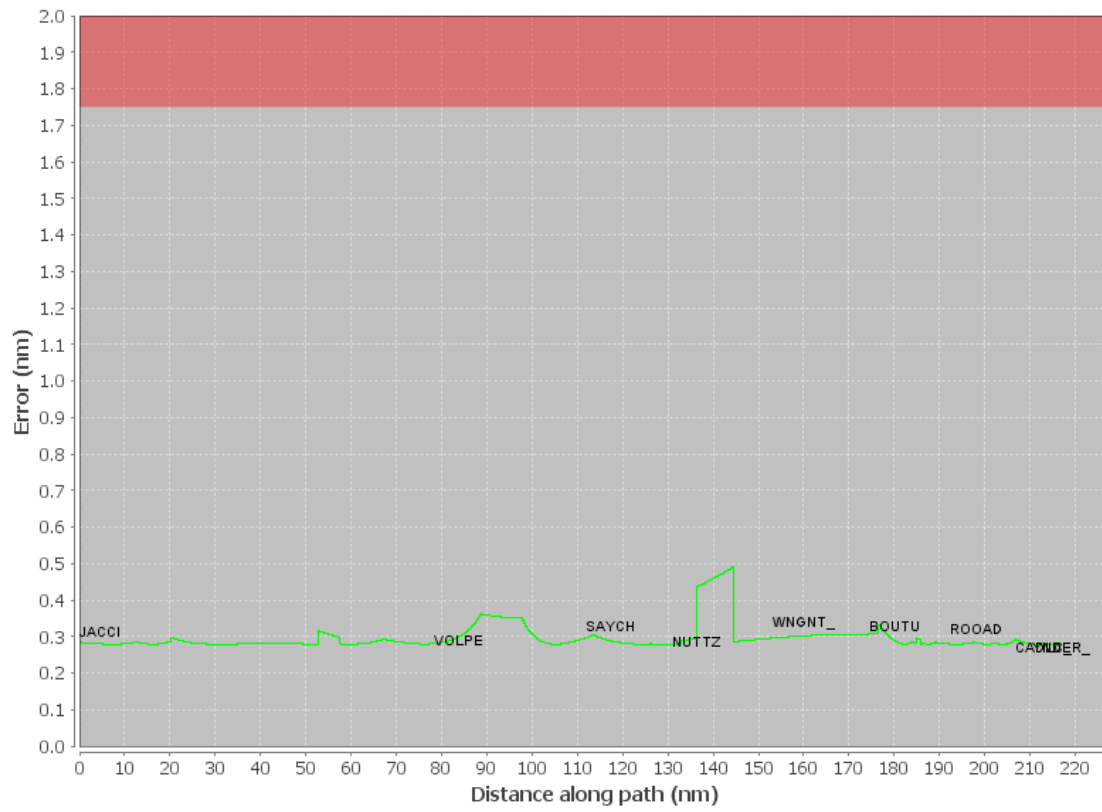
#	File Name
1	UserDMEs_KDTW WGNUT1 STAR JACCI ROOAD 20180306_1423.udt

## User DMEs

#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	UDT ESV CXR CXR [AIRNAV2]	N41° 31' 00.94", W081° 09' 47.47"	5.0 W	130	1317	112.7	UDT ESV CXR	
ESV:		Bearing [True]: 308.0° to 55.0° Bearing [Mag]: 313.0° to 60.0°				Arc Distance: Out to 97.0 NM Altitude: 7000.0 to 16000.0 ft		
2	UDT ESV DJB DJB [AIRNAV2]	N41° 21' 29.03", W082° 09' 43.09"	5.0 W	130	807.1	113.6	UDT ESV DJB	
ESV:		Bearing [True]: 340.0° to 19.0° Bearing [Mag]: 345.0° to 24.0°				Arc Distance: Out to 82.0 NM Altitude: 10000.0 to 16000.0 ft		
3	UDT ESV ERI ERI [AIRNAV2]	N42° 01' 02.63", W080° 17' 33.71"	6.0 W	40	797.2	109.4	UDT ESV ERI	
ESV:		Bearing [True]: 281.0° to 74.0° Bearing [Mag]: 287.0° to 80.0°				Arc Distance: Out to 90.0 NM Altitude: 7000.0 to 20000.0 ft		
4	UDT ESV ELZ ELZ [AIRNAV2]	N42° 05' 22.73", W077° 59' 58.41"	9.0 W	40	2297	111.4	UDT ESV ELZ	
ESV:		Bearing [True]: 283.0° to 312.0° Bearing [Mag]: 292.0° to 321.0°				Arc Distance: Out to 82.0 NM Altitude: 10000.0 to 16000.0 ft		

# DME DME Assessment Results for WNGNT (RNAV) path JACCI\_YNDER\_

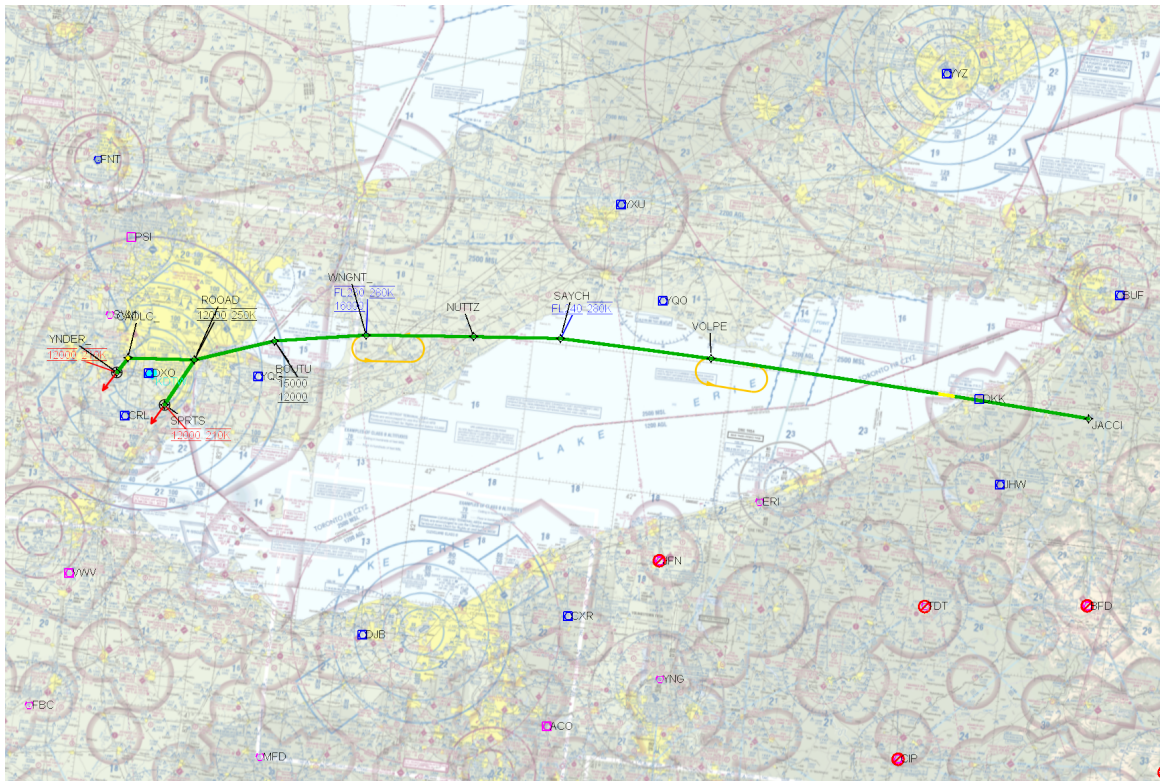
## DME Error





## DME DME Assessment Results for WNGNT (RNAV) path JACCI\_YNDER\_

Graphic Depiction 1



## DME DME Assessment Results for WNGNT (RNAV) path ROOAD\_SPRTS

### Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Paul CTR Jackson
Project File:	S:\530View\ZZ4 TT TARGETs Transfer 30 days\CLE-DET Metroplex 20191010 DME\DTW STAR WNGNT TWO 20190404 DME.tgs
Output File:	S:\530View\ZZ6 TT RNAV PROJ\DTW PI STARS 20191010\DTW WNGNT2\KDTW WNGNT (RNAV)_2019-04-04_0349\ROOAD_SPRTS\KDTW WNGNT (RNAV) RNAV STAR_ROOAD_SPRTS_2019-04-04_0349.pdf
Procedure Name:	WNGNT (RNAV)
Software: DmeDmePlugin:	5.5.1
Date/Time:	04/04/2019 03:49 PM CDT
Databases:	DTED 0 Max

### Failures

No Failures

### Notes For Flight Check

None

### Flight Plan

Name	Type	Lat/Lon	Altitude (ft)	VNAV Mode	IAS (kts)	Turn Type	Leg Type
ROOAD	WP	N42° 17' 03.52", W083° 09' 10.36"	8000	VNAV	250	FLY_BY	TF
SPRTS	WP	N42° 06' 27.28", W083° 16' 28.71"	8000	VNAV	210	FLY_OVER	TF

### Flyability

Flight Type:	RNAV_STAR
Selected Airport:	KDTW
Climb Gradient:	None assigned
Speeds:	200 Ground Speed to 11000 FT
	240 Ground Speed to 18000 FT
	260 Ground Speed to 24000 FT
	340 Ground Speed above 24000 FT
Descent During a Turn:	Allowed
VNAV Mode:	Flight Plan

## DME DME Assessment Results for WNGNT (RNAV) path ROOAD\_SPRTS

DME/DME	
RNP:	RNP 2
Flight Mode:	Manual
Line of Sight (DTED Level 0 Max):	Evaluated
Inertial Drift:	Enabled
Initial Drift:	0.558 NM
INS Drift Rate:	8.0 NM/Hour
Range Mode:	OSV
RNP Edges:	Evaluated
Min DME Range:	3.0 NM
DME Types:	DME, VOR-DME, VORTAC
DME Include Angles:	30 to 150
Critical DMEs:	Allowed
DoD Facilities:	Not included
Foreign Facilities:	Included
High DMEs:	Included
Low DMEs:	Included
Terminal DMEs:	Included
Flight Check DMEs:	Not selected
Higher Altitudes:	Not Evaluated
Near Maximum Altitude:	Not Evaluated
Automatic ESVs:	Not enabled
Disabled DMEs:	AGC,AUW,BDF,BFD,BRD,BVT,CIP,C KB,CMK,CRI,CTW,DNV,DNY,DWN,E CB,ELX,EON,ESL,ETG,EWO,FJC,FL M,FQM,GFL,GGT,GIJ,GRV,GSH,HIC, HML,HNK,HNN,HTO,HUO,IHD,JFN,J VL,LAN,LFD,LGA,LNR,LVZ,MIP,MKG, MNM,MSS,MXE,ODI,PLL,PLN,PMM,P NT,PWL,RBS,REC,RKA,RST,SAM,SF K,SLK,SLT,TDT,THS,UCA,UIN,ULW,V LA,YRK

**DME DME Assessment Results for WNGNT (RNAV) path ROOAD\_SPRTS**

<b>DME/DME (Continued)</b>										
<b>DMEs Used</b>										
#	Name	Lat/Lon	MAGVAR	Range	Type	Source	Critical	Status	Time	Distance
1	YQG	N42° 14' 59.00", W082° 49' 44.20"	6.0 W	130	H	AIRNAV2	NO	Enabled	100 %	100 %
2	DXO	N42° 12' 47.29", W083° 21' 59.99"	6.0 W	130	H	AIRNAV2	NO	Enabled	72.1 %	72.1 %
3	SVM	N42° 24' 31.11", W083° 35' 38.05"	3.0 W	40	L	AIRNAV2	NO	Enabled	100 %	100 %
4	PSI	N42° 42' 03.09", W083° 31' 57.98"	0.0 E	40	L	AIRNAV2	NO	Enabled	95.9 %	95.9 %
5	CRL	N42° 02' 52.90", W083° 27' 27.26"	3.0 W	130	H	AIRNAV2	NO	Enabled	100 %	100 %
6	AGC	N40° 16' 43.12", W080° 02' 27.08"	9.0 W	40	L	AIRNAV2	NO	Disabled		
7	AUW	N44° 50' 48.40", W089° 35' 11.68"	2.0 E	40	L	AIRNAV2	NO	Disabled		
8	BDF	N41° 09' 35.03", W089° 35' 16.34"	0.0 E	130	H	AIRNAV2	NO	Disabled		
9	BFD	N41° 47' 10.99", W078° 37' 09.65"	7.0 W	40	L	AIRNAV2	NO	Disabled		
10	BVT	N40° 33' 22.22", W087° 04' 09.75"	1.0 E	130	H	AIRNAV2	NO	Disabled		
11	CIP	N41° 08' 46.66", W079° 27' 28.71"	6.0 W	40	L	AIRNAV2	NO	Disabled		
12	CKB	N39° 15' 11.58", W080° 16' 04.30"	4.0 W	40	L	AIRNAV2	NO	Disabled		
13	CMK	N41° 16' 48.32", W073° 34' 52.77"	12.0 W	40	L	AIRNAV2	NO	Disabled		
14	CRI	N40° 36' 44.90", W073° 53' 40.00"	11.0 W	25	T	AIRNAV2	NO	Disabled		
15	CTW	N40° 13' 45.15", W081° 28' 35.32"	7.0 W	40	L	AIRNAV2	NO	Disabled		
16	DNV	N40° 17' 37.56", W087° 33' 26.14"	2.0 E	40	L	AIRNAV2	NO	Disabled		
17	DNY	N42° 10' 41.81", W074° 57' 24.99"	11.0 W	40	L	AIRNAV2	NO	Disabled		
18	DWN	N45° 05' 14.87", W094° 27' 13.86"	7.0 E	40	L	AIRNAV2	NO	Disabled		
19	ECB	N38° 09' 30.11", W082° 54' 36.20"	2.0 W	40	L	AIRNAV2	NO	Disabled		
20	ELX	N42° 08' 39.88", W086° 07' 21.74"	0.0 E	40	L	AIRNAV2	NO	Disabled		
21	EON	N41° 16' 10.68", W087° 47' 27.79"	2.0 E	40	L	AIRNAV2	NO	Disabled		
22	ESL	N39° 13' 31.77", W078° 59' 22.20"	6.0 W	40	L	AIRNAV2	NO	Disabled		
23	ETG	N41° 12' 53.82", W078° 08' 33.92"	10.0 W	130	H	AIRNAV2	NO	Disabled		
24	EWO	N37° 37' 54.52", W085° 40' 33.16"	1.0 E	40	L	AIRNAV2	NO	Disabled		
25	FJC	N40° 43' 36.12", W075° 27' 17.12"	10.0 W	40	L	AIRNAV2	NO	Disabled		
26	FLM	N38° 38' 57.99", W084° 18' 38.17"	4.0 W	130	H	AIRNAV2	NO	Disabled		
27	FQM	N41° 20' 18.81", W076° 46' 29.52"	9.0 W	40	L	AIRNAV2	NO	Disabled		
28	GFL	N43° 20' 30.09", W073° 36' 42.32"	14.0 W	40	L	AIRNAV2	NO	Disabled		
29	GGT	N42° 47' 20.24", W075° 49' 36.29"	11.0 W	40	L	AIRNAV2	NO	Disabled		
30	GIJ	N41° 46' 07.00", W086° 19' 06.42"	0.0 E	130	H	AIRNAV2	NO	Disabled		
31	GRV	N39° 38' 06.11", W079° 03' 01.90"	6.0 W	40	L	AIRNAV2	NO	Disabled		
32	GSH	N41° 31' 30.56", W086° 01' 40.63"	0.0 E	130	H	AIRNAV2	NO	Disabled		
33	HIC	N43° 34' 29.47", W085° 42' 58.18"	1.0 W	40	L	AIRNAV2	NO	Disabled		

**DME DME Assessment Results for WNGNT (RNAV) path ROOAD\_SPRTS**

<b>DME/DME (Continued)</b>										
<b>DMEs Used</b>										
#	Name	Lat/Lon	MAGVAR	Range	Type	Source	Critical	Status	Time	Distance
34	HML	N48° 52' 09.09", W097° 07' 01.51"	9.0 E	130	H	AIRNAV2	NO	Disabled		
35	HNK	N42° 03' 47.01", W075° 18' 58.62"	11.0 W	130	H	AIRNAV2	NO	Disabled		
36	HNN	N38° 45' 14.85", W082° 01' 34.20"	3.0 W	130	H	AIRNAV2	NO	Disabled		
37	HTO	N40° 55' 08.38", W072° 19' 00.14"	13.0 W	130	H	AIRNAV2	NO	Disabled		
38	HUO	N41° 24' 34.87", W074° 35' 29.74"	11.0 W	130	H	AIRNAV2	NO	Disabled		
39	IHD	N39° 58' 27.27", W079° 21' 30.12"	6.0 W	40	L	AIRNAV2	NO	Disabled		
40	JFN	N41° 45' 36.42", W080° 44' 53.20"	5.0 W	40	L	AIRNAV2	NO	Disabled		
41	JVL	N42° 33' 28.83", W089° 06' 18.93"	3.0 E	40	L	AIRNAV2	NO	Disabled		
42	LFD	N42° 03' 44.96", W084° 45' 54.48"	5.0 W	40	L	AIRNAV2	NO	Disabled		
43	LGA	N40° 47' 01.38", W073° 52' 06.96"	12.0 W	40	L	AIRNAV2	NO	Disabled		
44	LNR	N43° 17' 39.85", W090° 07' 59.33"	0.0 E	40	L	AIRNAV2	NO	Disabled		
45	LVZ	N41° 16' 22.10", W075° 41' 22.07"	10.0 W	40	L	AIRNAV2	NO	Disabled		
46	MIP	N41° 01' 24.21", W076° 39' 55.04"	9.0 W	40	L	AIRNAV2	NO	Disabled		
47	MKG	N43° 10' 09.31", W086° 02' 21.76"	1.0 W	40	L	AIRNAV2	NO	Disabled		
48	MNM	N45° 10' 48.58", W087° 38' 49.83"	0.0 E	40	L	AIRNAV2	NO	Disabled		
49	MSS	N44° 54' 51.92", W074° 43' 21.78"	14.0 W	130	H	AIRNAV2	NO	Disabled		
50	MXE	N39° 55' 04.98", W075° 40' 14.96"	9.0 W	40	L	AIRNAV2	NO	Disabled		
51	ODI	N43° 54' 44.38", W091° 28' 03.06"	1.0 E	130	H	AIRNAV2	NO	Disabled		
52	PLL	N41° 57' 56.31", W089° 31' 27.19"	3.0 E	40	L	AIRNAV2	NO	Disabled		
53	PLN	N45° 37' 50.33", W084° 39' 50.79"	6.0 W	40	L	AIRNAV2	NO	Disabled		
54	PMM	N42° 27' 57.73", W086° 06' 17.32"	0.0 E	130	H	AIRNAV2	NO	Disabled		
55	PNT	N40° 49' 16.32", W088° 44' 00.63"	3.0 E	40	L	AIRNAV2	NO	Disabled		
56	PWL	N41° 46' 11.18", W073° 36' 01.99"	12.0 W	40	L	AIRNAV2	NO	Disabled		
57	RBS	N40° 34' 54.13", W088° 09' 51.36"	2.0 E	40	L	AIRNAV2	NO	Disabled		
58	REC	N40° 32' 47.25", W078° 44' 49.28"	9.0 W	40	L	AIRNAV2	NO	Disabled		
59	RKA	N42° 27' 58.91", W075° 14' 21.51"	11.0 W	40	L	AIRNAV2	NO	Disabled		
60	RST	N43° 46' 58.45", W092° 35' 49.06"	5.0 E	40	L	AIRNAV2	NO	Disabled		
61	SAM	N38° 29' 06.68", W088° 05' 08.90"	3.0 E	40	L	AIRNAV2	NO	Disabled		
62	SFK	N41° 41' 42.91", W077° 25' 11.66"	8.0 W	40	L	AIRNAV2	NO	Disabled		
63	SLK	N44° 23' 04.42", W074° 12' 16.22"	14.0 W	40	L	AIRNAV2	NO	Disabled		
64	SLT	N41° 30' 45.93", W077° 58' 12.39"	8.0 W	130	H	AIRNAV2	NO	Disabled		
65	TDT	N41° 42' 46.91", W079° 25' 02.17"	9.0 W	40	L	AIRNAV2	NO	Disabled		
66	THS	N39° 55' 59.62", W077° 57' 03.40"	7.0 W	40	L	AIRNAV2	NO	Disabled		

# DME DME Assessment Results for WNGNT (RNAV) path ROOAD\_SPRTS

## DME/DME (Continued)

### DMEs Used

#	Name	Lat/Lon	MAGVAR	Range	Type	Source	Critical	Status	Time	Distance
67	UCA	N43° 01' 35.45", W075° 09' 52.28"	12.0 W	40	L	AIRNAV2	NO	Disabled		
68	UIN	N39° 50' 52.35", W091° 16' 44.13"	5.0 E	130	H	AIRNAV2	NO	Disabled		
69	ULW	N42° 05' 39.16", W077° 01' 28.53"	12.0 W	40	L	AIRNAV2	NO	Disabled		
70	VLA	N39° 05' 37.82", W089° 09' 44.08"	4.0 E	40	L	AIRNAV2	NO	Disabled		
71	YRK	N38° 38' 38.88", W082° 58' 42.02"	5.0 W	40	L	AIRNAV2	NO	Disabled		

## Flight Check DME Selection

Distance [NM]	Selected DMEs					Alternate
0.0	PSI	DXO	CRL	SVM	YQG	
6.5	YQG	PSI	CRL	SVM		
9.8	YQG	PSI	CRL	SVM	DXO	
11.5	CRL	DXO	YQG	SVM		

## Inertial Drift Segments

#	Start Location	End Location	Length [NM]
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## Available DMEs by Waypoints

Waypoint Before	Waypoint After	DME List
ROOAD	SPRTS	PSI, DXO, SVM, CRL, YQG

## User Data Files

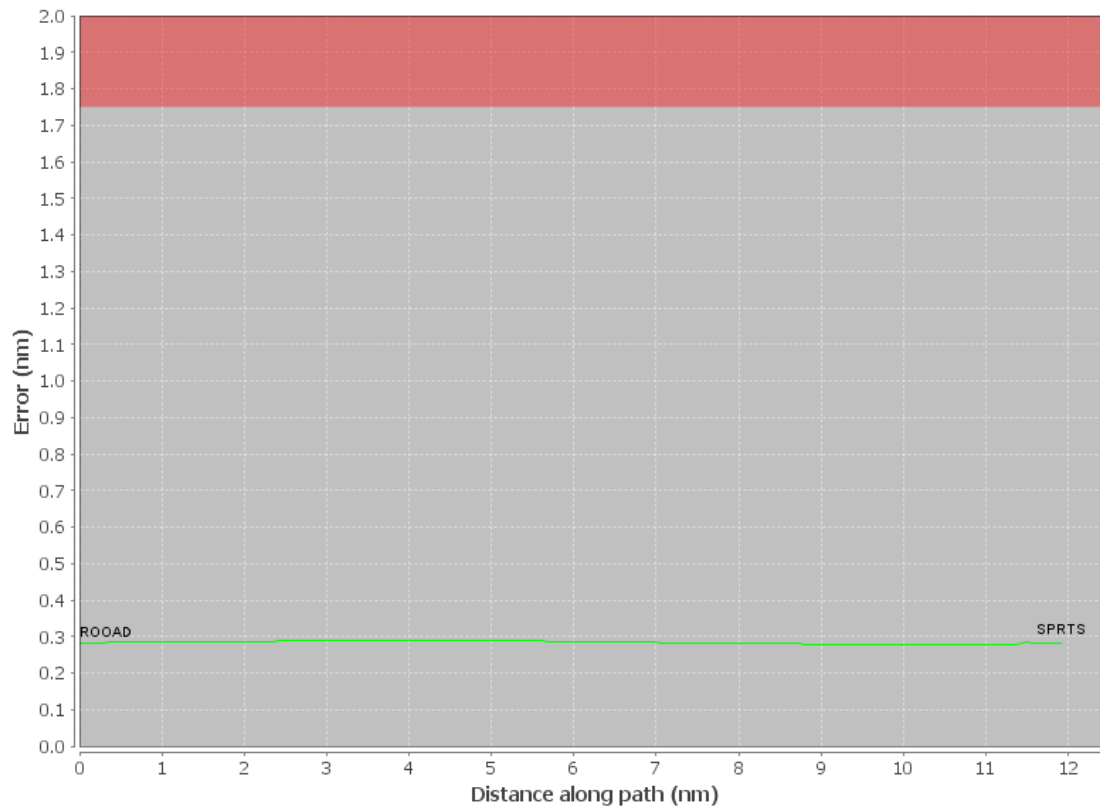
#	File Name
1	UserDMEs_KDTW WGNUT1 STAR JACCI ROOAD 20180306_1423.udt

## User DMEs

#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	UDT ESV CXR CXR [AIRNAV2]	N41° 31' 00.94", W081° 09' 47.47"	5.0 W	130	1317	112.7	UDT ESV CXR	
ESV:		Bearing [True]: 308.0° to 55.0° Bearing [Mag]: 313.0° to 60.0°				Arc Distance: Out to 97.0 NM Altitude: 7000.0 to 16000.0 ft		
2	UDT ESV DJB DJB [AIRNAV2]	N41° 21' 29.03", W082° 09' 43.09"	5.0 W	130	807.1	113.6	UDT ESV DJB	
ESV:		Bearing [True]: 340.0° to 19.0° Bearing [Mag]: 345.0° to 24.0°				Arc Distance: Out to 82.0 NM Altitude: 10000.0 to 16000.0 ft		
3	UDT ESV ERI ERI [AIRNAV2]	N42° 01' 02.63", W080° 17' 33.71"	6.0 W	40	797.2	109.4	UDT ESV ERI	
ESV:		Bearing [True]: 281.0° to 74.0° Bearing [Mag]: 287.0° to 80.0°				Arc Distance: Out to 90.0 NM Altitude: 7000.0 to 20000.0 ft		
4	UDT ESV ELZ ELZ [AIRNAV2]	N42° 05' 22.73", W077° 59' 58.41"	9.0 W	40	2297	111.4	UDT ESV ELZ	
ESV:		Bearing [True]: 283.0° to 312.0° Bearing [Mag]: 292.0° to 321.0°				Arc Distance: Out to 82.0 NM Altitude: 10000.0 to 16000.0 ft		

## DME DME Assessment Results for WNGNT (RNAV) path ROOAD\_SPRTS

### DME Error



### Graphic Depiction 1

