

DME DME Assessment Results for WENTZ1 path KTEB:RW24:DER_RUUDY

Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	David C-CTR Cook
Project File:	C:\Users\David C-CTR Cook\Documents\TARGETS WORK\KTEB\WENTZ1\KTEB WENTZ1 (RNAV) SID_20231214.tgs
Output File:	C:\Users\David C-CTR Cook\Documents\TARGETS WORK\KTEB\WENTZ1\KTEB [IFPA] WENTZ1 20231214_1146 EST\KTEB-RW24-DER_RUUDY\KTEB WENTZ1 SID RW24 RUUDY 20231214_1146 EST.pdf
Procedure Name:	WENTZ1
Software: DmeDmePlugin:	7.2.1
Date/Time:	12/14/2023 11:46 EST
Databases:	MITRE 3DEP 3 arcsec

Failures

No Failures

Warnings

No Warnings

Informational

No Informational

Notes For Flight Check

None

Flight Plan

Name	Type	Lat/Lon	Altitude (ft)	VNAV Mode	Ground Speed (kts)	Turn Type	Leg Type
KTEB:RW24:DER	WP	N40° 50' 48.2225", W074° 04' 13.0579"	4.9	VNAV	130	FLY_OVER	TF
DAVIM	WP	N40° 49' 44.2900", W074° 05' 47.0500"	803	VNAV	200	FLY_BY	TF
WENTZ	WP	N40° 48' 47.9500", W074° 09' 11.3400"	1500	VNAV	200	FLY_BY	TF
RUUDY	WP	N40° 48' 56.1200", W074° 16' 41.4300"	2639.5	VNAV	200	FLY_BY	TF
Climb Gradient: 500.0 ft/NM up to 1500.0 ft MSL							

Flyability

Flight Type:	SID
Selected Airport:	KTEB [IFPA]
Climb Gradient:	500.0 ft/NM up to 1500.0 ft MSL
Speeds:	130 at the Runway DER
	145 at the end of the VA or VI leg
	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

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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:	Not 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:	None

DME/DME (Continued)										
DMEs Used										
#	Name	Lat/Lon	MAGVAR	Range	Type	Source	Critical	Status	Time	Distance
1	COL	N40° 18' 41.8771", W074° 09' 35.0180"	11.0 W	40	L	IFPA	NO	Enabled	73.8 %	78.2 %
2	LGA	N40° 47' 01.3761", W073° 52' 06.9617"	12.0 W	40	L	IFPA	NO	Enabled	82.1 %	86.7 %
3	EWR	N40° 40' 27.6400", W074° 10' 40.6800"	0.0 E	25	T	IFPA	NO	Enabled	86.6 %	90.4 %
4	SAX	N41° 04' 03.1486", W074° 32' 17.9094"	11.0 W	130	H	IFPA	NO	Enabled	42.6 %	45.1 %
5	SBJ	N40° 34' 58.9593", W074° 44' 30.4492"	10.0 W	40	L	IFPA	NO	Enabled	33.3 %	35.2 %
6	CRI	N40° 36' 44.8894", W073° 53' 40.0673"	11.0 W	25	T	IFPA	NO	Enabled	86.6 %	90.4 %
7	JFK	N40° 37' 58.3816", W073° 46' 17.0103"	12.0 W	130	H	IFPA	NO	Enabled	81.3 %	86 %
8	TEB	N40° 50' 55.3942", W074° 03' 44.0738"	11.0 W	25	T	IFPA	NO	Enabled	61.7 %	65.3 %
9	STW	N40° 59' 44.9510", W074° 52' 08.5090"	11.0 W	40	L	IFPA	NO	Enabled	31.2 %	33 %
10	BWZ	N40° 47' 54.3580", W074° 49' 18.5970"	11.0 W	40	L	IFPA	NO	Enabled	49.4 %	52.3 %

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0						
1.0	CRI	EWR				
1.3	LGA	EWR	CRI			
1.4	LGA	EWR	JFK	CRI		
2.1	LGA	EWR	COL	JFK	CRI	
2.2	LGA	EWR	JFK	CRI		
2.3	LGA	EWR	COL	JFK	CRI	

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Inertial Drift Segments

#	Start Location	End Location	Length [NM]
1	N40° 50' 46.7998", W074° 04' 15.1503"	N40° 50' 09.8069", W074° 05' 09.5434"	0.9236

Available DMEs by Waypoints

Waypoint Before	Waypoint After	DME List	Suggested DMEs
KTEB:RW24:DER	DAVIM	EWR, LGA, CRI, JFK	
DAVIM	WENTZ	TEB, EWR, COL, LGA, CRI, JFK	
WENTZ	RUUDY	TEB, COL, EWR, BWZ, LGA, STW, SBJ, CRI, SAX, JFK	

User Data Files

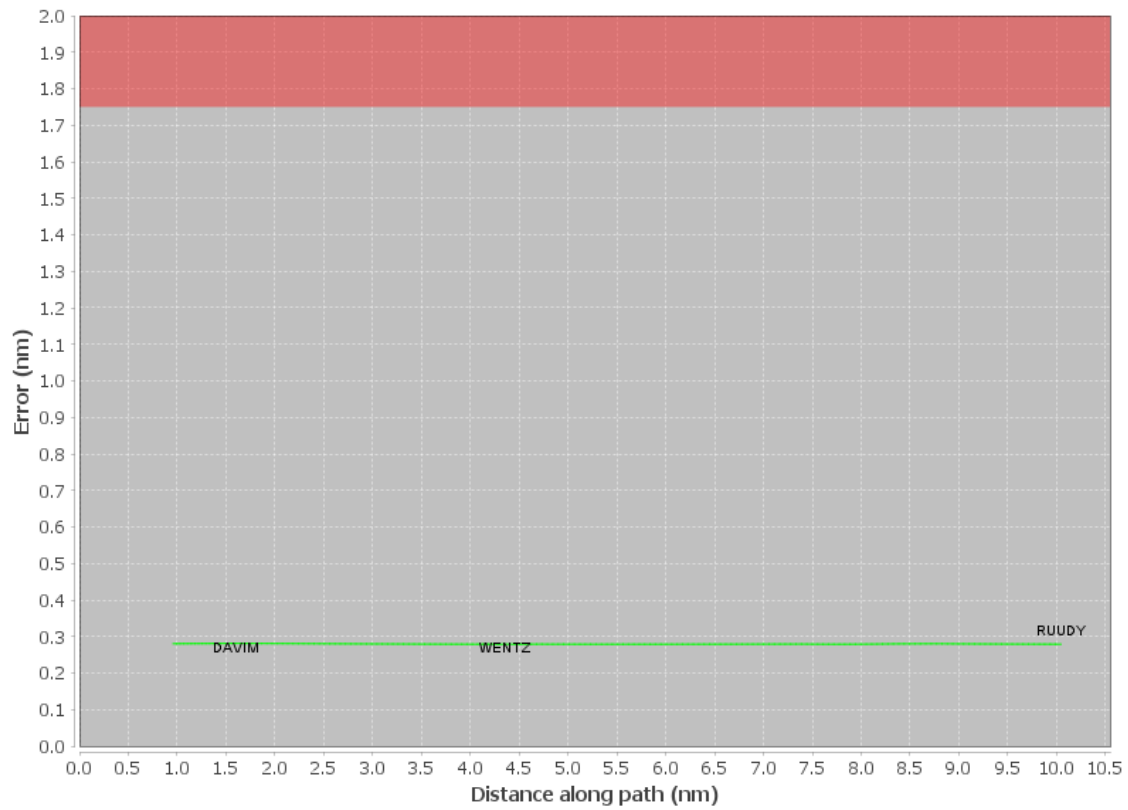
#	File Name
	None

User DMEs

#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status

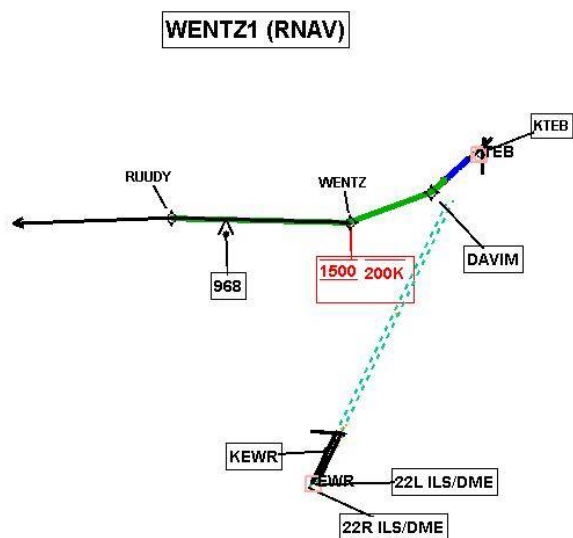
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DME Error



DME DME Assessment Results for WENTZ1 path KTEB:RW24:DER_RUUDY

Graphic Depiction 1



DME ESVs								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
None								