

DME DME Assessment Results for ZMBRO1 path JEDET_BRIBE

Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Lisa A-CTR Thrysoe
Project File:	C:\Users\Lisa A-CTR Thrysoe\OneDrive - Federal Aviation Administration\Desktop\DME DME Screening\KMSP 260319\SIDS\KMSP ZMBRO ONE SID 260319\KMSP ZMBRO ONE SID DME DME 260325lu.tgs
Output File:	C:\Users\Lisa A-CTR Thrysoe\OneDrive - Federal Aviation Administration\Desktop\DME DME Screening\KMSP 260319\SIDS\KMSP ZMBRO ONE SID 260319\KMSP [IFPA] ZMBRO1 20260325_1048 EDT\JEDET_BRIBE\KMSP ZMBRO1 SID JEDET BRIBE 20260325_1048 EDT.pdf
Procedure Name:	ZMBRO1
Software: DmeDmePlugin:	7.6.0
Date/Time:	03/25/2026 10:48 EDT
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
JEDET	WP	N44° 27' 40.6400", W092° 43' 40.5900"	4000	VNAV	200	FLY_BY	TF
ZMBRO	WP	N44° 20' 29.9800", W092° 26' 54.6000"	8000	VNAV	200	FLY_BY	TF
PEKTE	WP	N43° 53' 52.0000", W091° 28' 43.0000"	8000	VNAV	200	FLY_BY	TF
BRIBE	WP	N42° 47' 54.0000", W089° 56' 25.3000"	10000	VNAV	200	FLY_BY	TF

Flyability

Flight Type:	SID
Selected Airport:	KMSP [IFPA]
Climb Gradient:	None assigned
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

DME DME Assessment Results for ZMBRO1 path JEDET_BRIBE

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, TACAN
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:	Enabled
Disabled DMEs:	None

DME/DME (Continued)										
DMEs Used										
#	Name	Lat/Lon	MAGVAR	Range	Type	Source	Critical	Status	Time	Distance
1	DLL	N43° 33' 03.0082", W089° 45' 49.0409"	3.0 E	130	H		NO	Enabled	3.9 %	3.9 %
2	MSN	N43° 08' 41.4057", W089° 20' 22.9086"	3.0 E	40	L		NO	Enabled	6.9 %	6.9 %
3	MSP	N44° 53' 47.3958", W093° 14' 11.5137"	2.0 E	130	DH		NO	Enabled	38.7 %	38.6 %
4	FOW	N44° 12' 16.0000", W093° 22' 13.8000"	2.0 E	25	T		NO	Enabled	20.2 %	20.2 %
5	FCM	N44° 49' 31.2603", W093° 26' 33.6793"	1.0 E	40	L		NO	Enabled	1.2 %	1.2 %
6	LNR	N43° 17' 39.8500", W090° 07' 59.3257"	0.0 E	130	DH		NO	Enabled	64.1 %	64.1 %
7	RST	N43° 46' 58.4501", W092° 35' 49.0560"	5.0 E	130	DH		NO	Enabled	78 %	78 %
8	FGT	N44° 37' 51.4303", W093° 10' 55.3911"	6.0 E	130	H		NO	Enabled	11.2 %	11.2 %
9	DBQ	N42° 24' 05.2887", W090° 42' 32.6808"	4.0 E	130	H		NO	Enabled	24.2 %	24.2 %
10	ODI	N43° 54' 44.3850", W091° 28' 03.0582"	1.0 E	130	H		NO	Enabled	40 %	40 %
11	UKN	N43° 16' 48.3077", W091° 32' 14.5026"	0.0 E	40	L		NO	Enabled	30 %	30 %
12	OBK	N42° 13' 16.9555", W087° 57' 06.0134"	2.0 W	130	DH		NO	Enabled	7.6 %	7.6 %
13	LSE	N43° 52' 34.0404", W091° 15' 21.5762"	-0.0 E	25	T		NO	Enabled	7 %	7 %

DME DME Assessment Results for ZMBRO1 path JEDET_BRIBE

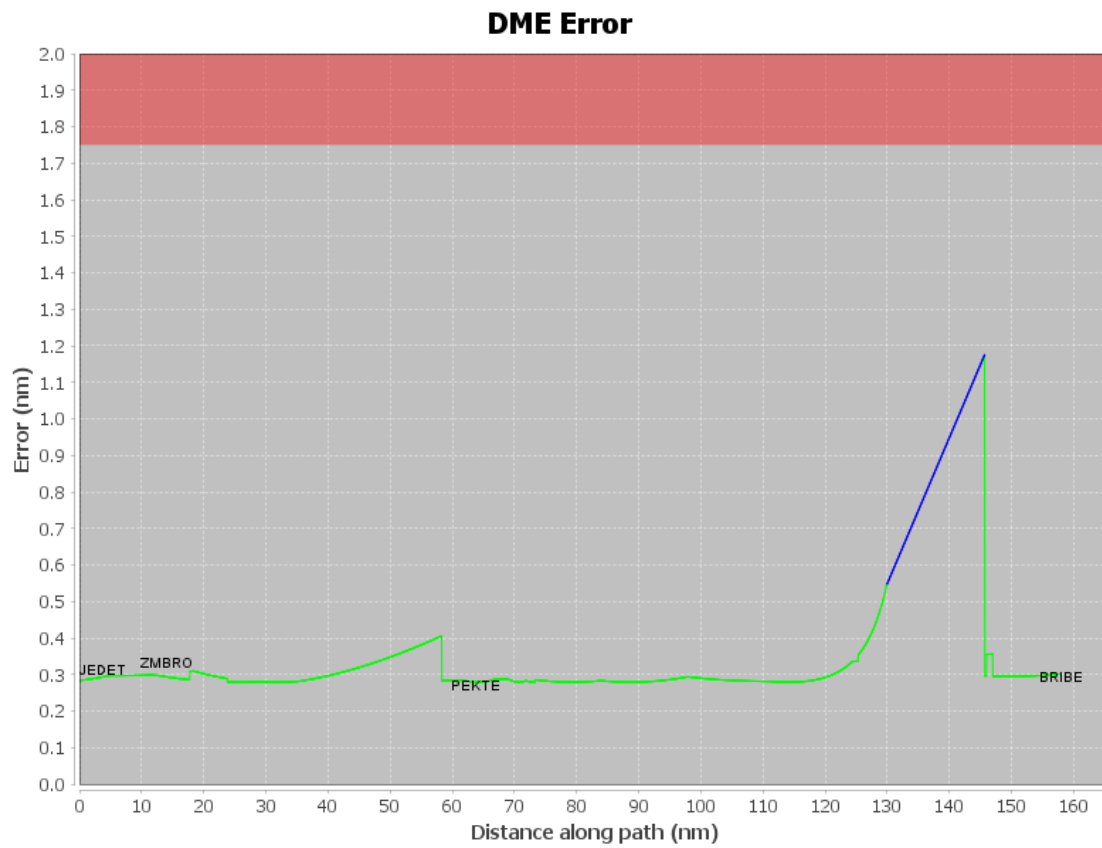
Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	FOW	MSP	RST	FCM	FGT	
2.0	FOW	MSP	RST	FGT		
17.8	FOW	RST	MSP			
23.8	ODI	RST	MSP	FOW		
32.0	RST	MSP	ODI			
40.9	RST	MSP	ODI	LNR		
48.8	RST	MSP	ODI	LNR	LSE	
50.0	RST	MSP	LNR	LSE		
50.2	RST	MSP	LNR			
60.1	RST	UKN	LSE	ODI	LNR	MSP
60.8	LNR	RST	MSP			
61.1	LNR	RST				
64.2	LSE	UKN	RST	LNR		
66.3	LSE	UKN	RST	LNR	ODI	
66.6	LSE	UKN	RST	LNR		
66.8	RST	UKN	LSE	LNR	ODI	
73.3	LNR	UKN	RST	ODI		
92.8	ODI	UKN	DBQ	RST	LNR	
103.2	DBQ	UKN	LNR	RST		
111.0	DBQ	LNR	RST			
117.0	DBQ	LNR	DLL	RST		
123.2	DBQ	LNR				
129.9						
145.7	DBQ	LNR				
146.0	DBQ	OBK	LNR			
147.0	LNR	MSN	OBK			

Inertial Drift Segments			
#	Start Location	End Location	Length [NM]
1	N43° 07' 37.3207", W090° 23' 29.1759"	N42° 56' 31.3239", W090° 08' 12.0091"	15.7744

Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
JEDET	ZMBRO	FCM, RST, FGT, MSP, FOW	
ZMBRO	PEKTE	LNR, FGT, RST, ODI, UKN, MSP, FOW, LSE	
PEKTE	BRIBE	LNR, RST, DBQ, ODI, DLL, UKN, OBK, MSN, LSE	

User Data Files								
#	File Name							
1	New Analysis.udt							
User DMEs								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	FOW FOW	N44° 12' 16.0000", W093° 22' 13.8000"	2.0 E	25	1099.1	111.2	FOW	
ESV:		Bearing [True]: 57.0° to 95.0° Bearing [Mag]: 55.0° to 93.0°				Arc Distance: Out to 57.0 NM Altitude: 3900.0 to 12200.0 ft		
2	ESV DBQ [IFPA] DBQ	N42° 24' 05.2887", W090° 42' 32.6808"	4.0 E	130	1050	115.8	ESV DBQ [IFPA]	
ESV:		Bearing [True]: 347.0° to 40.0° Bearing [Mag]: 343.0° to 36.0°				Arc Distance: Out to 80.0 NM Altitude: 7000.0 to 16500.0 ft		

DME DME Assessment Results for ZMBRO1 path JEDET_BRIBE



DME DME Assessment Results for ZMBRO1 path JEDET_BRIBE

Graphic Depiction 1

