

DME DME Assessment Results for KBREW1 path HRBEK_KEETN

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 261029\SIDS\KMSP KBREW ONE SID 260319\KMSP SIDS KBREW DME2606015(email).tgs
Output File:	C:\Users\Lisa A-CTR Thrysoe\OneDrive - Federal Aviation Administration\Desktop\DME DME Screening\KMSP 261029\SIDS\KMSP KBREW ONE SID 260319\KMSP [IFPA] KBREW1 20260616_0735 EDT\HRBEK_KEETN\KMSP KBREW1 SID HRBEK KEETN 20260616_0735 EDT.pdf
Procedure Name:	KBREW1
Software: DmeDmePlugin:	8.0.0
Date/Time:	06/16/2026 07:35 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
HRBEK	WP	N45° 18' 52.3100", W093° 48' 25.1700"	5000	VNAV	200	FLY_BY	TF
HOMUR	WP	N45° 25' 05.5600", W094° 04' 36.5000"	7599.9	VNAV	200	FLY_BY	TF
KBREW	WP	N45° 35' 03.6700", W094° 30' 53.2100"	10000	VNAV	200	FLY_BY	TF
KEETN	WP	N46° 35' 54.5286", W096° 51' 37.6278"	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

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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, 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	RWF	N44° 28' 02.1854", W095° 07' 41.6276"	7.0 E	130	DH		NO	Enabled	61.5 %	61.5 %
2	FCM	N44° 49' 31.2603", W093° 26' 33.6793"	1.0 E	40	L		NO	Enabled	3.7 %	3.7 %
3	ABR	N45° 25' 02.4840", W098° 22' 07.3906"	7.0 E	130	DH		NO	Enabled	14.5 %	14.5 %
4	STC	N45° 32' 57.5050", W094° 03' 30.9591"	3.0 E	25	T		NO	Enabled	25.7 %	25.7 %
5	GEP	N45° 08' 44.4656", W093° 22' 23.4514"	6.0 E	130	H		NO	Enabled	12.6 %	12.6 %
6	FAR	N46° 45' 12.0129", W096° 51' 04.7483"	9.0 E	130	DH		NO	Enabled	64.7 %	64.7 %
7	RZN	N45° 49' 13.6015", W092° 22' 28.2562"	-0.0 E	40	L		NO	Enabled	1.5 %	1.5 %
8	AXN	N45° 57' 30.1977", W095° 13' 57.4854"	7.0 E	130	DH		NO	Enabled	84.7 %	84.7 %
9	PKD	N46° 53' 53.1091", W095° 04' 15.6354"	0.0 E	40	L		NO	Enabled	17.3 %	17.3 %
10	DWN	N45° 05' 14.8650", W094° 27' 13.8590"	0.0 E	40	L		NO	Enabled	32.4 %	32.4 %
11	MSP	N44° 53' 47.3958", W093° 14' 11.5137"	2.0 E	130	DH		NO	Enabled	49.4 %	49.4 %
12	GFK	N47° 57' 17.4001", W097° 11' 07.3336"	9.0 E	130	DH		NO	Enabled	21 %	21 %

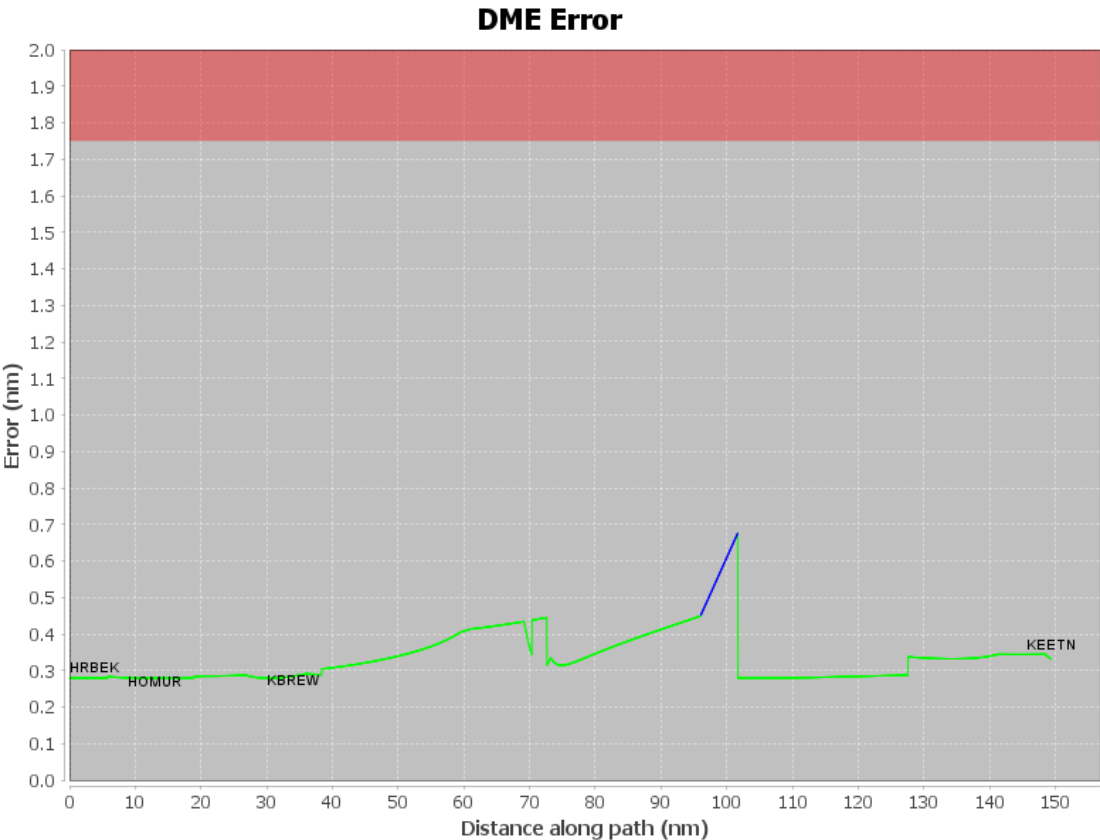
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Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	RZN	FCM	DWN	STC	MSP	GEP
2.3	DWN	FCM	STC	MSP	GEP	
5.6	STC	DWN	MSP	AXN	GEP	
18.9	DWN	AXN	STC	MSP	RWF	
38.4	RWF	AXN	MSP	DWN		
46.8	RWF	AXN	MSP	FAR	DWN	
48.4	RWF	AXN	MSP	FAR		
59.4	RWF	MSP	FAR			
68.5	RWF	FAR	MSP	AXN		
68.8	RWF	FAR	MSP			
73.9	RWF	FAR				
74.3	RWF	AXN	FAR			
95.9	RWF	AXN				
96.0						
101.7	PKD	FAR	AXN			
117.9	PKD	FAR	AXN	GFK		
127.6	ABR	FAR	AXN	GFK		

Inertial Drift Segments			
#	Start Location	End Location	Length [NM]
1	N46° 08' 09.6647", W095° 45' 58.2759"	N46° 11' 08.5311", W095° 52' 54.1129"	5.6657

Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
HRBEK	HOMUR	RWF, FCM, STC, GEP, RZN, AXN, DWN, MSP	
HOMUR	KBREW	RWF, STC, GEP, AXN, DWN, MSP	
KBREW	KEETN	RWF, ABR, STC, FAR, AXN, PKD, DWN, MSP, GFK	

User Data Files								
#	File Name							
1	New Analysis.udt							
User DMEs								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	RZN RZN	N45° 49' 13.6015", W092° 22' 28.2562"	-0.0 E	40	986.6	109.4	RZN	
ESV:		Bearing [True]: 242.0° to 248.0° Bearing [Mag]: 242.0° to 248.0°				Arc Distance: Out to 72.0 NM Altitude: 4900.0 to 19000.0 ft		
2	DWN FAA 703966-27 DWN	N45° 05' 14.8650", W094° 27' 13.8590"	0.0 E	40	1130	109.0	DWN FAA 703966-27	
ESV:		Bearing [True]: 325.0° to 9.0° Bearing [Mag]: 325.0° to 9.0°				Arc Distance: Out to 89.0 NM Altitude: 6000.0 to 20000.0 ft		
3	PKD FAA 765984-9 PKD	N46° 53' 53.1091", W095° 04' 15.6354"	0.0 E	40	1471.6	110.6	PKD FAA 765984-9	
ESV:		Bearing [True]: 218.0° to 264.0° Bearing [Mag]: 218.0° to 264.0°				Arc Distance: Out to 71.0 NM Altitude: 10000.0 to 11000.0 ft		



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Graphic Depiction 1

