

DME DME Assessment Results for BEXGO4 path AIMHI_BOUSY

Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Robert CTR Mason
Project File:	C:\Users\Robert CTR Mason\Desktop\KRDU\BEXGO\KRDU BEXGO4 SID DME 20200122.tgs
Output File:	C:\Users\Robert CTR Mason\Desktop\KRDU\BEXGO\KRDU [IFPA] BEXGO4 20200205_0842 EST\AIMHI_BOUSY\KRDU BEXGO4 SID AIMHI BOUSY 20200205_0842 EST.pdf
Procedure Name:	BEXGO4
Software: DmeDmePlugin:	6.0.0
Date/Time:	02/05/2020 08:42 EST
Databases:	DTED.MAX

Failures

No Failures

Warnings

No Warnings

Notes For Flight Check

None

Flight Plan

Name	Type	Lat/Lon	Altitude (ft)	VNAV Mode	Ground Speed (kts)	Turn Type	Leg Type
AIMHI	WP	N36° 16' 26.4000", W078° 24' 45.9100"	2500	VNAV	200	FLY_BY	TF
BEXGO	WP	N36° 30' 00.1000", W078° 12' 07.7100"	5000	VNAV	200	FLY_BY	TF
BOUSY	WP	N36° 49' 04.4100", W077° 54' 05.0800"	5000	VNAV	200	FLY_BY	TF

Flyability

Flight Type:	SID
Selected Airport:	KRDU [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
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	SBV	N36° 40' 30.1389", W079° 00' 52.1970"	5.0 W	40	L	IFPA	NO	Enabled	58 %	58 %
2	LVL	N36° 49' 04.9290", W077° 54' 10.6850"	8.0 W	40	L	IFPA	NO	Enabled	69.8 %	69.8 %
3	FKN	N36° 42' 51.2549", W077° 00' 44.5584"	9.0 W	40	L	IFPA	NO	Enabled	25.7 %	25.7 %
4	RDU	N35° 52' 21.0761", W078° 47' 00.0316"	9.0 W	130	H	IFPA	NO	Enabled	48.2 %	48.2 %
5	TYI	N35° 58' 36.2046", W077° 42' 13.4338"	5.0 W	40	L	IFPA	NO	Enabled	66.5 %	66.5 %

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	SBV	RDU	TYI			
1.1	SBV	LVL	RDU	TYI		
19.1	TYI	LVL	RDU	FKN	SBV	
19.8	TYI	LVL	FKN	SBV		
23.8	TYI	FKN	LVL			
27.3	FKN	LVL				
29.7						

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

Available DMEs by Waypoints		
Waypoint Before	Waypoint After	DME List
AIMHI	BEXGO	RDU, LVL, TYI, SBV
BEXGO	BOUSY	RDU, LVL, TYI, SBV, FKN

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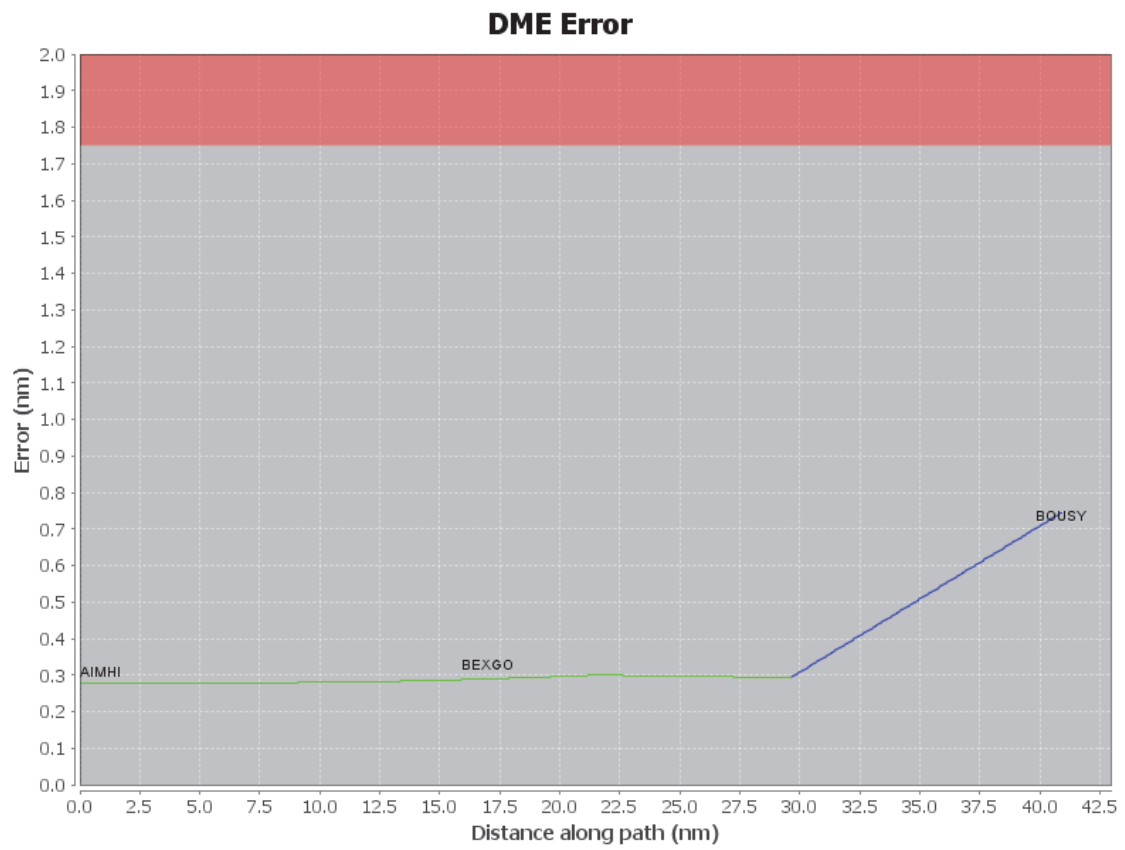
User Data Files

#	File Name
1	UserDMEsKRDU [IFPA] BEXGO4 SID_20191106_1256 EST.udt
2	UserDMEsKRDU [IFPA] SHPRD4 SID_20190917_1002 EDT.udt

User DMEs

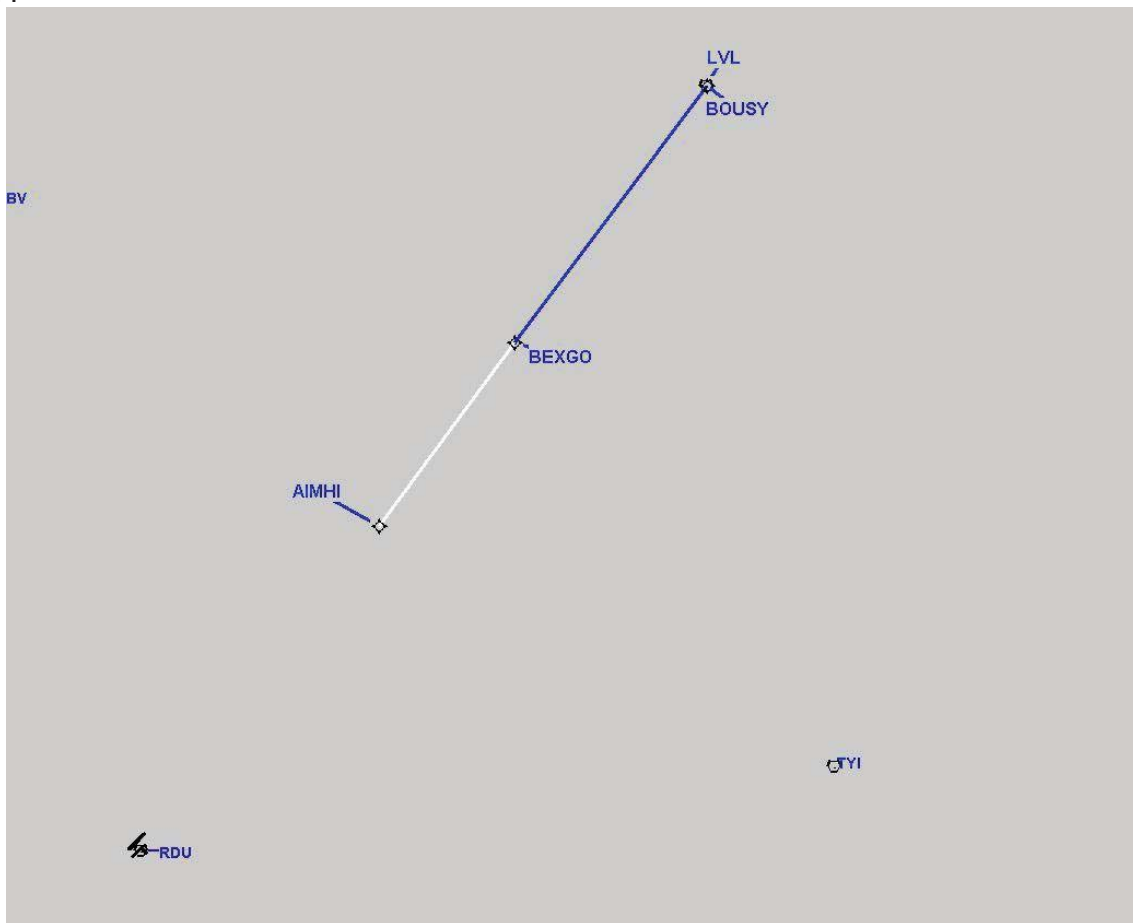
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	ESV RDU [IFPA] RDU [IFPA]	N35° 52' 21.0761", W078° 47' 00.0316"	9.0 W	130	452.8	117.2	ESV RDU [IFPA]	
ESV:		Bearing [True]: 26.0° to 51.0° Bearing [Mag]: 35.0° to 60.0°				Arc Distance: Out to 50.0 NM Altitude: 2500.0 to 10000.0 ft		
2	ESV SBV [IFPA] SBV [IFPA]	N36° 40' 30.1389", W079° 00' 52.1970"	5.0 W	40	524.9	110.4	ESV SBV [IFPA]	
ESV:		Bearing [True]: 85.0° to 135.0° Bearing [Mag]: 90.0° to 140.0°				Arc Distance: Out to 47.0 NM Altitude: 2500.0 to 15000.0 ft		
3	UDT ESV FKN FKN [IFPA]	N36° 42' 51.2549", W077° 00' 44.5584"	9.0 W	40	88.6	110.6	UDT ESV FKN	
ESV:		Bearing [True]: 256.0° to 270.0° Bearing [Mag]: 265.0° to 279.0°				Arc Distance: Out to 68.0 NM Altitude: 4000.0 to 12000.0 ft		
4	ESV TYI [IFPA] TYI [IFPA]	N35° 58' 36.2046", W077° 42' 13.4338"	5.0 W	40	72.9	117.8	ESV TYI [IFPA]	
ESV:		Bearing [True]: 290.0° to 340.0° Bearing [Mag]: 295.0° to 345.0°				Arc Distance: Out to 47.0 NM Altitude: 2500.0 to 15000.0 ft		

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Graphic Depiction 1



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Software: DmeDmePlugin:	6.0.0
Date/Time:	02/05/2020 08:42 EST
Databases:	DTED.MAX

Failures

No Failures

Warnings

No Warnings

Notes For Flight Check

None

Flight Plan

Name	Type	Lat/Lon	Altitude (ft)	VNAV Mode	Ground Speed (kts)	Turn Type	Leg Type
BOUSY	WP	N36° 49' 04.4100", W077° 54' 05.0800"	5000	VNAV	200	FLY_BY	TF
BEXGO	WP	N36° 30' 00.1000", W078° 12' 07.7100"	5000	VNAV	200	FLY_BY	TF

Flyability

Flight Type:	SID
Selected Airport:	KRDU [IFPA]
Climb Gradient:	None assigned
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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	SBV	N36° 40' 30.1389", W079° 00' 52.1970"	5.0 W	40	L	IFPA	NO	Enabled	28.2 %	28.2 %
2	FKN	N36° 42' 51.2549", W077° 00' 44.5584"	9.0 W	40	L	IFPA	NO	Enabled	44 %	44 %
3	LVL	N36° 49' 04.9290", W077° 54' 10.6850"	8.0 W	40	L	IFPA	NO	Enabled	53 %	53 %
4	RDU	N35° 52' 21.0761", W078° 47' 00.0316"	9.0 W	130	H	IFPA	NO	Enabled	11.6 %	11.6 %
5	TYI	N35° 58' 36.2046", W077° 42' 13.4338"	5.0 W	40	L	IFPA	NO	Enabled	42.8 %	42.8 %

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0						
11.3	FKN	LVL				
13.7	TYI	FKN	LVL			
17.2	TYI	FKN	LVL	SBV		
21.2	TYI	LVL	RDU	FKN	SBV	
21.8	TYI	LVL	RDU	SBV		

Inertial Drift Segments			
#	Start Location	End Location	Length [NM]
1	N36° 49' 01.7644", W077° 54' 07.5964"	N36° 40' 07.0384", W078° 02' 34.9247"	11.1982

Available DMEs by Waypoints		
Waypoint Before	Waypoint After	DME List
BOUSY	BEXGO	RDU, LVL, TYI, SBV, FKN

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#	File Name
1	UserDMESKRDU [IFPA] BEXGO4 SID_20191106_1256 EST.udt
2	UserDMESKRDU [IFPA] SHPRD4 SID_20190917_1002 EDT.udt

User DMEs

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DME DME Assessment Results for BEXGO4 path BOUSY_BEXGO

Graphic Depiction 1

