

DME DME Assessment Results for MADII6 path FOLGO_HIMGO

Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Robert CTR Ellis
Project File:	C:\Users\Robert CTR Ellis\Desktop\KORD DME Assessments\ORD STAR MADII SIX 20200402 DME ELLIS.tgs
Output File:	C:\Users\Robert CTR Ellis\Desktop\KORD DME Assessments\KORD [IFPA] MADII6 20200406_1234 CDT\FOLGO_HIMGO\KORD MADII6 RNAV STAR FOLGO HIMGO 20200406_1234 CDT.pdf
Procedure Name:	MADII6
Software: DmeDmePlugin:	6.0.0
Date/Time:	04/06/2020 12:34 CDT
Databases:	DTED Level 0 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
FOLGO	WP	N44° 51' 15.84", W087° 41' 16.27"	9000	VNAV	200	FLY_BY	TF
PIRPL	WP	N44° 17' 04.17", W087° 46' 29.97"	9000	VNAV	200	FLY_BY	TF
FGHRN	WP	N44° 06' 08.00", W087° 48' 09.00"	9000	VNAV	200	FLY_BY	TF
FAALZ	WP	N43° 46' 07.03", W087° 50' 55.53"	9000	VNAV	200	FLY_BY	TF
KOHL	WP	N43° 38' 16.97", W087° 50' 29.01"	9000	VNAV	200	FLY_BY	TF
GURNN	WP	N43° 30' 26.14", W087° 49' 36.77"	6000	VNAV	200	FLY_BY	TF
CHDRR	WP	N43° 20' 10.89", W087° 52' 19.44"	6000	VNAV	200	FLY_BY	TF
ZANDI	WP	N42° 49' 42.03", W088° 14' 27.17"	6000	VNAV	200	FLY_BY	TF
HOPSS	WP	N42° 42' 19.25", W088° 16' 47.79"	6000	VNAV	200	FLY_BY	TF
HUNKA	WP	N42° 31' 57.23", W088° 17' 13.51"	6000	VNAV	200	FLY_BY	TF
MADII	WP	N42° 18' 03.47", W088° 18' 49.73"	6000	VNAV	200	FLY_BY	TF
SOOLU	WP	N42° 11' 46.95", W088° 08' 51.70"	0	VNAV	200	FLY_BY	TF
KURKK	WP	N42° 05' 30.61", W088° 01' 37.92"	0	VNAV	200	FLY_BY	TF
VULCN	WP	N42° 05' 30.34", W087° 47' 39.02"	0	VNAV	200	FLY_BY	TF
HIMGO	WP	N42° 05' 27.84", W087° 30' 31.89"	0	VNAV	200	FLY_OVER	TF

DME DME Assessment Results for MADII6 path FOLGO_HIMGO

Flyability	
Flight Type:	RNAV_STAR
Selected Airport:	KORD [IFPA]
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	
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:	Enabled
Disabled DMEs:	AUW,BAE,MKG

DME DME Assessment Results for MADII6 path FOLGO_HIMGO

DME/DME (Continued)										
DMEs Used										
#	Name	Lat/Lon	MAGVAR	Range	Type	Source	Critical	Status	Time	Distance
1	OBK	N42° 13' 16.96", W087° 57' 05.83"	2.0 W	130	H	IFPA	NO	Enabled	36.1 %	36 %
2	MTW	N44° 07' 42.60", W087° 40' 47.71"	0.0 E	25	T	IFPA	NO	Enabled	23.1 %	23.2 %
3	RFD	N42° 13' 32.08", W089° 11' 57.38"	1.0 E	40	L	IFPA	NO	Enabled	0.3 %	0.3 %
4	ENW	N42° 35' 56.61", W087° 55' 54.22"	0.0 E	25	T	IFPA	NO	Enabled	19.7 %	19.7 %
5	CGT	N41° 30' 36.02", W087° 34' 17.57"	2.0 E	40	L	IFPA	NO	Enabled	8.5 %	8.5 %
6	MNM	N45° 10' 48.58", W087° 38' 49.83"	0.0 E	40	L	IFPA	NO	Enabled	10.1 %	10.1 %
7	GRB	N44° 33' 18.58", W088° 11' 41.49"	1.0 E	130	H	IFPA	NO	Enabled	31.4 %	31.4 %
8	LJT	N43° 06' 35.18", W088° 02' 14.21"	0.0 E	40	L	IFPA	NO	Enabled	32.1 %	32.1 %
9	BUU	N42° 41' 21.57", W088° 18' 06.40"	0.0 E	25	T	IFPA	NO	Enabled	17.5 %	17.6 %
10	HRK	N42° 45' 43.81", W087° 48' 53.02"	0.0 E	25	T	IFPA	NO	Enabled	11 %	11 %
11	JVL	N42° 33' 28.83", W089° 06' 18.93"	3.0 E	40	L	IFPA	NO	Enabled	3.4 %	3.4 %
12	OSH	N43° 59' 25.56", W088° 33' 21.36"	2.0 E	130	H	IFPA	NO	Enabled	33.5 %	33.5 %
13	JOT	N41° 32' 47.11", W088° 19' 06.28"	2.0 E	130	H	IFPA	NO	Enabled	5.1 %	5.1 %
14	MBL	N44° 16' 14.31", W086° 15' 14.56"	5.0 W	40	L	IFPA	NO	Enabled	18.7 %	18.7 %
15	FAH	N43° 46' 07.63", W087° 50' 55.57"	2.0 W	40	L	IFPA	NO	Enabled	33.8 %	33.8 %
16	DPA	N41° 53' 25.34", W088° 21' 00.64"	2.0 E	40	L	IFPA	NO	Enabled	27.7 %	27.6 %
17	GCO	N41° 59' 38.72", W087° 54' 08.38"	0.0 E	40	L	IFPA	NO	Enabled	27.1 %	27.1 %
18	AUW	N44° 50' 48.40", W089° 35' 11.68"	2.0 E	40	L	IFPA	NO	Disabled		
19	BAE	N43° 07' 00.67", W088° 17' 03.64"	2.0 E	130	H	IFPA	NO	Disabled		
20	MKG	N43° 10' 09.31", W086° 02' 21.76"	1.0 W	40	L	IFPA	NO	Disabled		

DME DME Assessment Results for MADII6 path FOLGO_HIMGO

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	MBL	GRB	MNM			
20.0	MNM	GRB	MBL	MTW		
20.1	MTW	GRB	MBL			
25.7	MBL	FAH	GRB	MTW		
37.3	MTW	OSH	GRB	FAH		
52.4	FAH	OSH	MTW			
61.8	MTW	OSH				
66.1						
67.2	LJT	OSH				
68.6	LJT	OSH	GRB			
72.0						
73.9	OSH	LJT	FAH	GRB		
80.6	OSH	LJT	FAH			
98.8	OSH	FAH				
102.0	OSH	JVL	LJT	OBK	FAH	
103.0	OSH	JVL	FAH			
105.3	OSH	JVL				
107.1						
113.4	HRK	LJT				
119.1	HRK	LJT	BUU	ENW		
120.6	HRK	LJT	BUU			
121.1	HRK	LJT	BUU	ENW		
127.3	HRK	BUU	ENW	LJT	OBK	
131.9	ENW	LJT	HRK	OBK		
135.3	ENW	LJT	OBK			
138.4	ENW	LJT	BUU	OBK		
142.6	ENW	BUU	GCO	LJT	OBK	
146.9	ENW	GCO	OBK	BUU	DPA	
154.7	DPA	OBK	BUU	GCO		
158.1	ENW	GCO	RFD	BUU	DPA	OBK
158.7	ENW	GCO	DPA	OBK	BUU	JVL
159.8	ENW	GCO	DPA	OBK	BUU	
160.7	DPA	OBK	ENW	GCO		
162.3	DPA	OBK	GCO			
170.4	DPA	GCO	OBK	JOT		
171.2	GCO	OBK	DPA			
173.4	DPA	GCO	OBK	JOT		
175.2	DPA	GCO	JOT			
176.1	DPA	GCO	OBK	JOT		
178.9	DPA	GCO	OBK			
179.3	DPA	OBK				
181.9	CGT	DPA	OBK	GCO	JOT	
186.1	CGT	DPA	GCO	OBK		
186.7	GCO	OBK	DPA			
187.1	GCO	OBK	CGT	DPA		
198.4	CGT	OBK	GCO			

Inertial Drift Segments			
#	Start Location	End Location	Length [NM]
1	N43° 45' 30.62", W087° 50' 53.47"	N43° 44' 27.72", W087° 50' 49.92"	1.049
2	N43° 39' 36.42", W087° 50' 33.48"	N43° 37' 47.13", W087° 50' 25.69"	1.8243
3	N43° 06' 34.04", W088° 02' 15.58"	N43° 01' 01.75", W088° 06' 16.63"	6.2713

DME DME Assessment Results for MADII6 path FOLGO_HIMGO

Available DMEs by Waypoints

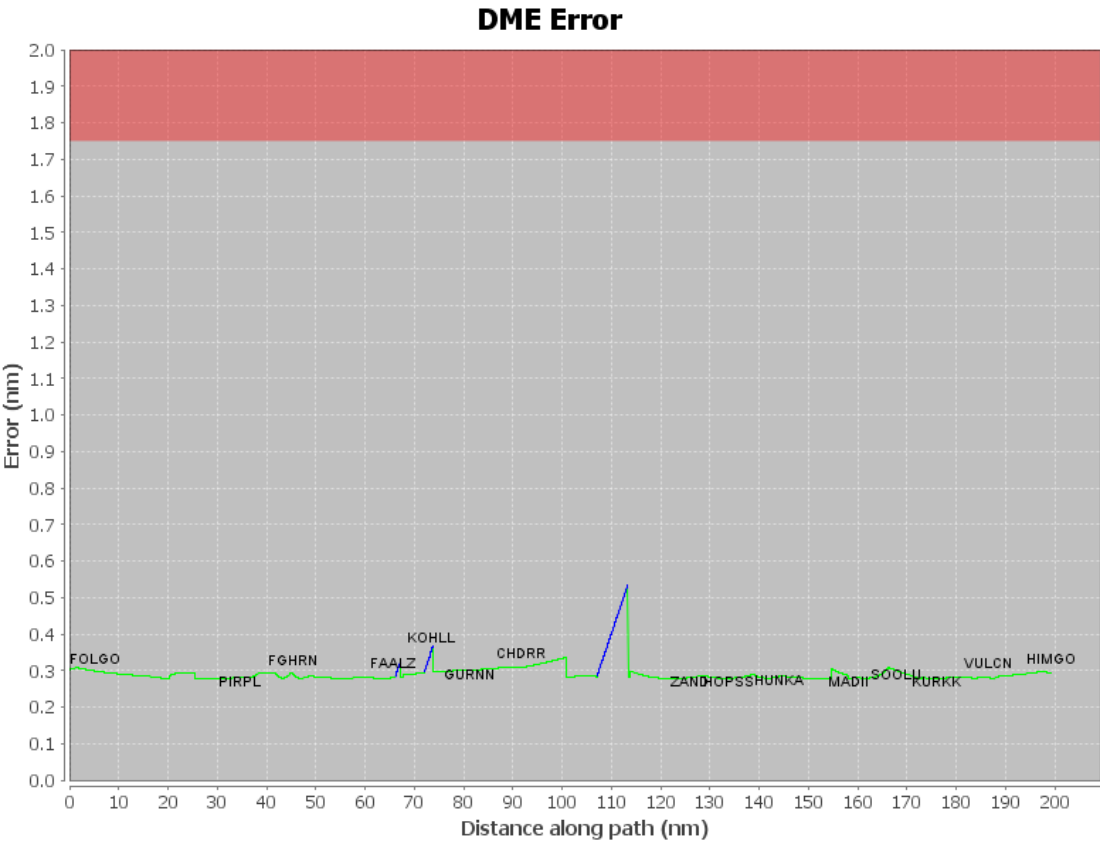
Waypoint Before	Waypoint After	DME List
FOLGO	PIRPL	MTW, MBL, GRB, FAH, MNM
PIRPL	FGHRN	MTW, OSH, GRB, MBL, FAH
FGHRN	FAALZ	MTW, OSH, GRB, FAH
FAALZ	KOHL	MTW, OSH, GRB, LJT
KOHL	GURNN	OSH, GRB, LJT, FAH
GURNN	CHDRR	OSH, LJT, FAH
CHDRR	ZANDI	HRK, JVL, BUU, OSH, LJT, OBK, FAH, ENW
ZANDI	HOPSS	HRK, BUU, LJT, OBK, ENW
HOPSS	HUNKA	HRK, GCO, BUU, DPA, LJT, OBK, ENW
HUNKA	MADII	GCO, BUU, DPA, LJT, OBK, ENW
MADII	SOOLU	RFD, JVL, GCO, BUU, DPA, OBK, ENW
SOOLU	KURKK	GCO, DPA, OBK, JOT
KURKK	VULCN	CGT, GCO, DPA, OBK, JOT
VULCN	HIMGO	CGT, GCO, DPA, OBK

User Data Files

#	File Name
1	UserDMEsKORD [IFPA] ERNNY7 RNAV STAR_20200401_1248 CDT.udt

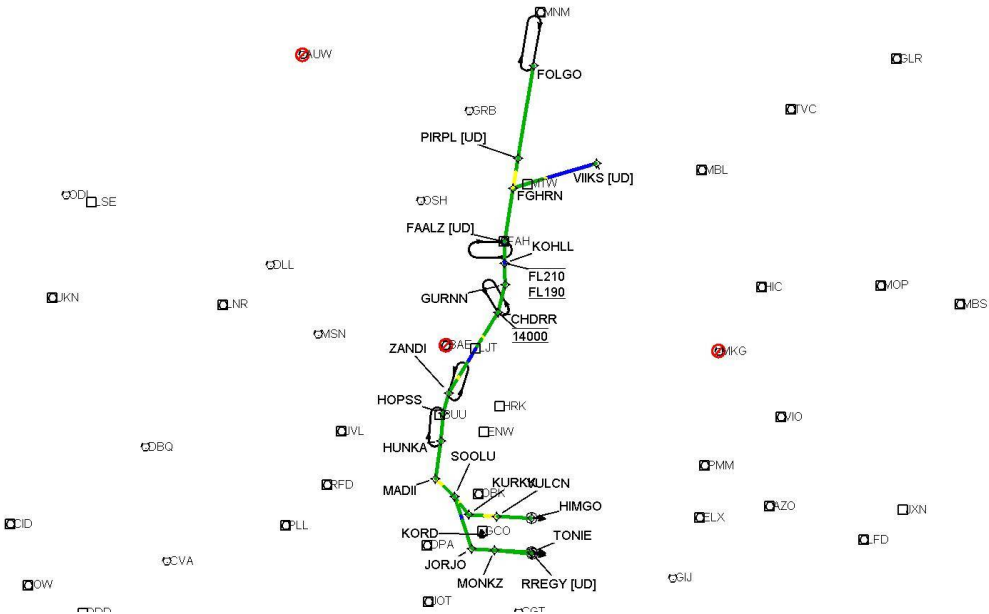
User DMEs

#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	MBL FAA 830756-006 MBL [IFPA]	N44° 16' 14.31", W086° 15' 14.56"	5.0 W	40	620	111.4	MBL FAA 830756-006	
ESV:		Bearing [True]: 268.0° to 302.0° Bearing [Mag]: 273.0° to 307.0°				Arc Distance: Out to 75.0 NM Altitude: 8900.0 to 20000.0 ft		
2	ESC FAA 671321-005 ESC [IFPA]	N45° 43' 21.49", W087° 05' 22.55"	0.0 E	40	607	110.8	ESC FAA 671321-005	
ESV:		Bearing [True]: 180.0° to 190.0° Bearing [Mag]: 180.0° to 190.0°				Arc Distance: Out to 91.0 NM Altitude: 8900.0 to 12000.0 ft		
3	GRB FAA 900602-021 GRB [IFPA]	N44° 33' 18.58", W088° 11' 41.49"	1.0 E	130	766.5	115.5	GRB FAA 900602-021	
ESV:		Bearing [True]: 159.0° to 170.0° Bearing [Mag]: 158.0° to 169.0°				Arc Distance: Out to 65.0 NM Altitude: 4900.0 to 16000.0 ft		
4	OSH FAA 670046-013 OSH [IFPA]	N43° 59' 25.56", W088° 33' 21.36"	2.0 E	130	787.4	116.75	OSH FAA 670046-013	
ESV:		Bearing [True]: 121.0° to 163.0° Bearing [Mag]: 119.0° to 161.0°				Arc Distance: Out to 63.0 NM Altitude: 5000.0 to 17000.0 ft		
5	JVL FAA 900555-015 JVL [IFPA]	N42° 33' 28.83", W089° 06' 18.93"	3.0 E	40	948.2	114.3	JVL FAA 900555-015	
ESV:		Bearing [True]: 49.0° to 58.0° Bearing [Mag]: 46.0° to 55.0°				Arc Distance: Out to 63.0 NM Altitude: 5900.0 to 19000.0 ft		
6	OBK FAA 704122-018 OBK [IFPA]	N42° 13' 16.96", W087° 57' 05.83"	2.0 W	130	707	113.0	OBK FAA 704122-018	
ESV:		Bearing [True]: 357.0° to 14.0° Bearing [Mag]: 359.0° to 16.0°				Arc Distance: Out to 65.0 NM Altitude: 5000.0 to 16000.0 ft		



DME DME Assessment Results for MADII6 path FOLGO_HIMGO

Graphic Depiction 1



DME DME Assessment Results for MADII6 path MONKZ_TONIE

Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Robert CTR Ellis
Project File:	C:\Users\Robert CTR Ellis\Desktop\KORD DME Assessments\ORD STAR MADII SIX 20200402 DME ELLIS.tgs
Output File:	C:\Users\Robert CTR Ellis\Desktop\KORD DME Assessments\KORD [IFPA] MADII6 20200406_1234 CDT\MONKZ_TONIE\KORD MADII6 RNAV STAR MONKZ TONIE 20200406_1234 CDT.pdf
Procedure Name:	MADII6
Software: DmeDmePlugin:	6.0.0
Date/Time:	04/06/2020 12:34 CDT
Databases:	DTED Level 0 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
MONKZ	WP	N41° 53' 03.59", W087° 48' 06.47"	0	VNAV	200	FLY_BY	TF
TONIE	WP	N41° 53' 01.37", W087° 29' 26.75"	0	VNAV	200	FLY_OVER	TF
Climb Gradient: 200.0 ft/NM							

Flyability

Flight Type:	RNAV_STAR
Selected Airport:	KORD [IFPA]
Climb Gradient:	200.0 ft/NM
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 MADII6 path MONKZ_TONIE

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:	Enabled
Disabled DMEs:	AUW,BAE,MKG

DME/DME (Continued)										
DMEs Used										
#	Name	Lat/Lon	MAGVAR	Range	Type	Source	Critical	Status	Time	Distance
1	OBK	N42° 13' 16.96", W087° 57' 05.83"	2.0 W	130	H	IFPA	NO	Enabled	100 %	100 %
2	JOT	N41° 32' 47.11", W088° 19' 06.28"	2.0 E	130	H	IFPA	NO	Enabled	62.2 %	62.2 %
3	CGT	N41° 30' 36.02", W087° 34' 17.57"	2.0 E	40	L	IFPA	NO	Enabled	100 %	100 %
4	DPA	N41° 53' 25.34", W088° 21' 00.64"	2.0 E	40	L	IFPA	NO	Enabled	100 %	100 %
5	GCO	N41° 59' 38.72", W087° 54' 08.38"	0.0 E	40	L	IFPA	NO	Enabled	100 %	100 %
6	AUW	N44° 50' 48.40", W089° 35' 11.68"	2.0 E	40	L	IFPA	NO	Disabled		
7	BAE	N43° 07' 00.67", W088° 17' 03.64"	2.0 E	130	H	IFPA	NO	Disabled		
8	MKG	N43° 10' 09.31", W086° 02' 21.76"	1.0 W	40	L	IFPA	NO	Disabled		

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	JOT	GCO	CGT	DPA	OBK	
8.7	CGT	DPA	GCO	OBK		

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

Available DMEs by Waypoints		
Waypoint Before	Waypoint After	DME List
MONKZ	TONIE	CGT, GCO, DPA, OBK, JOT

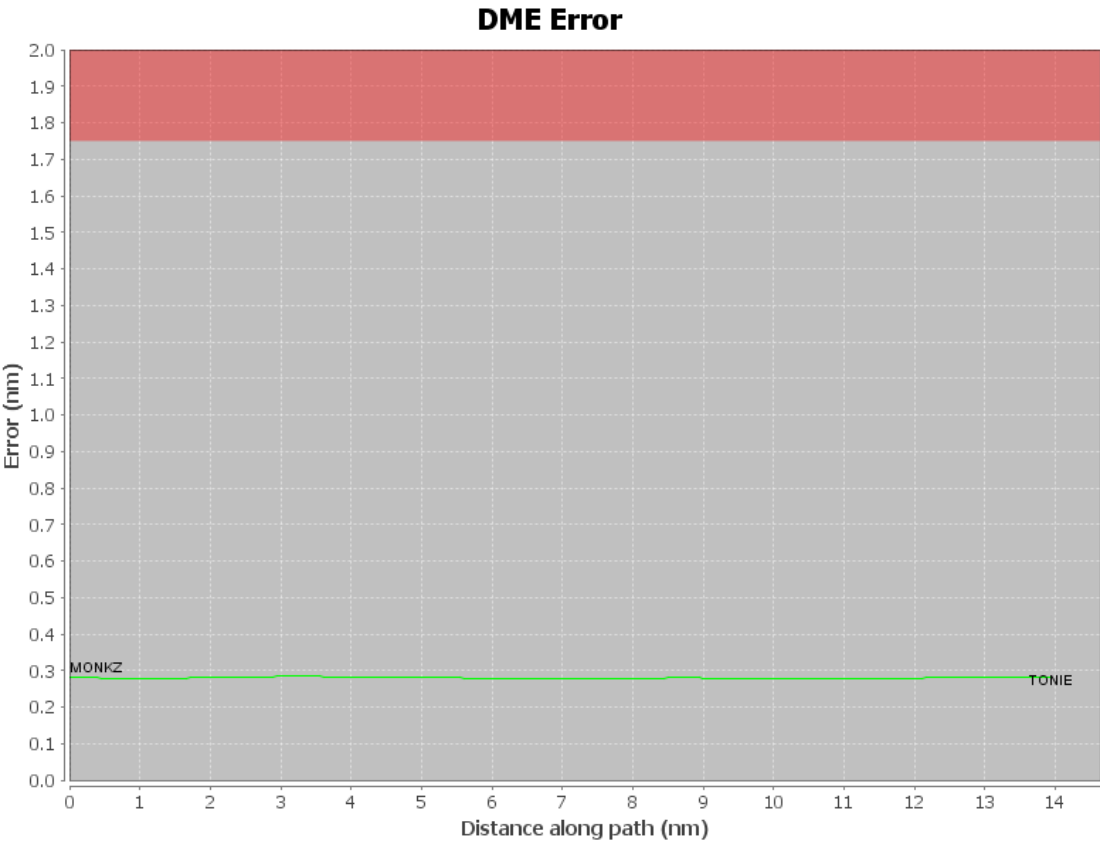
DME DME Assessment Results for MADII6 path MONKZ_TONIE

User Data Files

#	File Name							
1	UserDMEsKORD [IFPA] ERNNY7 RNAV STAR_20200401_1248 CDT.udt							

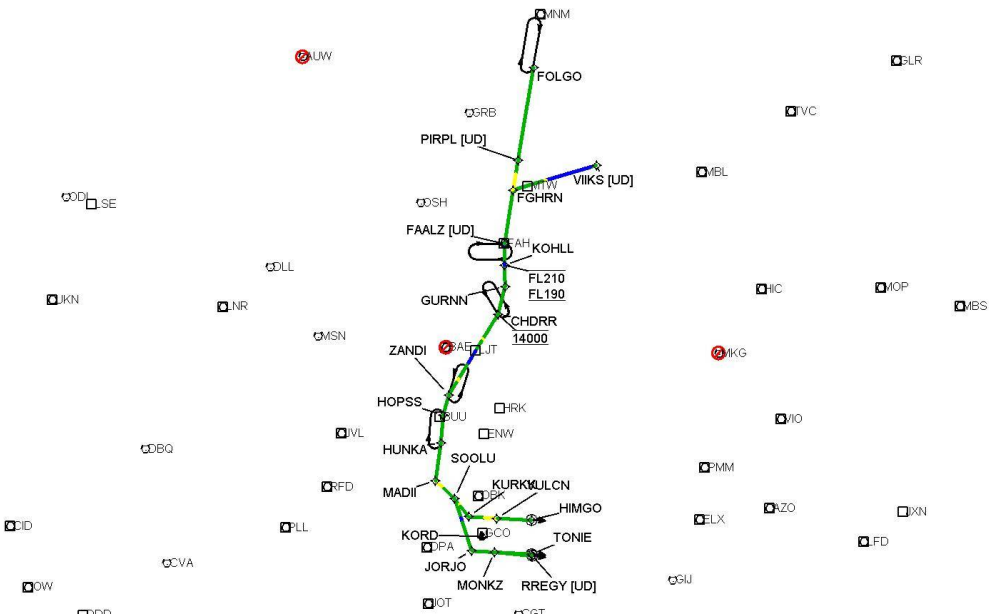
User DMEs

#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	MBL FAA 830756-006 MBL [IFPA]	N44° 16' 14.31", W086° 15' 14.56"	5.0 W	40	620	111.4	MBL FAA 830756-006	
ESV:		Bearing [True]: 268.0° to 302.0° Bearing [Mag]: 273.0° to 307.0°				Arc Distance: Out to 75.0 NM Altitude: 8900.0 to 20000.0 ft		
2	ESC FAA 671321-005 ESC [IFPA]	N45° 43' 21.49", W087° 05' 22.55"	0.0 E	40	607	110.8	ESC FAA 671321-005	
ESV:		Bearing [True]: 180.0° to 190.0° Bearing [Mag]: 180.0° to 190.0°				Arc Distance: Out to 91.0 NM Altitude: 8900.0 to 12000.0 ft		
3	GRB FAA 900602-021 GRB [IFPA]	N44° 33' 18.58", W088° 11' 41.49"	1.0 E	130	766.5	115.5	GRB FAA 900602-021	
ESV:		Bearing [True]: 159.0° to 170.0° Bearing [Mag]: 158.0° to 169.0°				Arc Distance: Out to 65.0 NM Altitude: 4900.0 to 16000.0 ft		
4	OSH FAA 670046-013 OSH [IFPA]	N43° 59' 25.56", W088° 33' 21.36"	2.0 E	130	787.4	116.75	OSH FAA 670046-013	
ESV:		Bearing [True]: 121.0° to 163.0° Bearing [Mag]: 119.0° to 161.0°				Arc Distance: Out to 63.0 NM Altitude: 5000.0 to 17000.0 ft		
5	JVL FAA 900555-015 JVL [IFPA]	N42° 33' 28.83", W089° 06' 18.93"	3.0 E	40	948.2	114.3	JVL FAA 900555-015	
ESV:		Bearing [True]: 49.0° to 58.0° Bearing [Mag]: 46.0° to 55.0°				Arc Distance: Out to 63.0 NM Altitude: 5900.0 to 19000.0 ft		
6	OBK FAA 704122-018 OBK [IFPA]	N42° 13' 16.96", W087° 57' 05.83"	2.0 W	130	707	113.0	OBK FAA 704122-018	
ESV:		Bearing [True]: 357.0° to 14.0° Bearing [Mag]: 359.0° to 16.0°				Arc Distance: Out to 65.0 NM Altitude: 5000.0 to 16000.0 ft		



DME DME Assessment Results for MADII6 path MONKZ_TONIE

Graphic Depiction 1



DME DME Assessment Results for MADII6 path SOOLU_RREGY

Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Robert CTR Ellis
Project File:	C:\Users\Robert CTR Ellis\Desktop\KORD DME Assessments\ORD STAR MADII SIX 20200402 DME ELLIS.tgs
Output File:	C:\Users\Robert CTR Ellis\Desktop\KORD DME Assessments\KORD [IFPA] MADII6 20200406_1234 CDT\SOOLU_RREGY\KORD MADII6 RNAV STAR SOOLU RREGY 20200406_1234 CDT.pdf
Procedure Name:	MADII6
Software: DmeDmePlugin:	6.0.0
Date/Time:	04/06/2020 12:34 CDT
Databases:	DTED Level 0 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
SOOLU	WP	N42° 11' 46.95", W088° 08' 51.70"	0	VNAV	200	FLY_BY	TF
JORJO	WP	N41° 53' 04.14", W087° 59' 18.78"	0	VNAV	200	FLY_BY	TF
MONKZ	WP	N41° 53' 03.59", W087° 48' 06.47"	0	VNAV	200	FLY_BY	TF
RREGY	WP	N41° 52' 26.14", W087° 29' 23.10"	0	VNAV	200	FLY_OVER	TF
Climb Gradient: 200.0 ft/NM							

Flyability

Flight Type:	RNAV_STAR
Selected Airport:	KORD [IFPA]
Climb Gradient:	200.0 ft/NM
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 MADII6 path SOOLU_RREGY

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:	Enabled
Disabled DMEs:	AUW,BAE,MKG

DME/DME (Continued)										
DMEs Used										
#	Name	Lat/Lon	MAGVAR	Range	Type	Source	Critical	Status	Time	Distance
1	OBK	N42° 13' 16.96", W087° 57' 05.83"	2.0 W	130	H	IFPA	NO	Enabled	93.5 %	93.4 %
2	JOT	N41° 32' 47.11", W088° 19' 06.28"	2.0 E	130	H	IFPA	NO	Enabled	77.6 %	77.6 %
3	DPA	N41° 53' 25.34", W088° 21' 00.64"	2.0 E	40	L	IFPA	NO	Enabled	95.9 %	95.9 %
4	CGT	N41° 30' 36.02", W087° 34' 17.57"	2.0 E	40	L	IFPA	NO	Enabled	76.3 %	76.3 %
5	GCO	N41° 59' 38.72", W087° 54' 08.38"	0.0 E	40	L	IFPA	NO	Enabled	62.7 %	62.7 %
6	EON	N41° 16' 10.68", W087° 47' 27.79"	2.0 E	40	L	IFPA	NO	Enabled	3.1 %	3.1 %
7	AUW	N44° 50' 48.40", W089° 35' 11.68"	2.0 E	40	L	IFPA	NO	Disabled		
8	BAE	N43° 07' 00.67", W088° 17' 03.64"	2.0 E	130	H	IFPA	NO	Disabled		
9	MKG	N43° 10' 09.31", W086° 02' 21.76"	1.0 W	40	L	IFPA	NO	Disabled		

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	DPA	GCO	OBK			
2.6	DPA	GCO	OBK	JOT		
7.3						
9.0	JOT	DPA				
10.0	CGT	DPA	OBK	JOT		
17.6	CGT	GCO	DPA	OBK	JOT	
18.0	DPA	OBK	JOT	CGT		
18.7	DPA	OBK	EON	JOT	CGT	
20.1	DPA	OBK	JOT	CGT	GCO	
21.3	DPA	OBK	JOT	CGT		
25.4	DPA	OBK	GCO	JOT	CGT	
37.2	CGT	DPA	GCO	OBK		

DME DME Assessment Results for MADII6 path SOOLU_RREGY

Inertial Drift Segments

#	Start Location	End Location	Length [NM]
1	N42° 04' 56.49", W088° 05' 21.56"	N42° 03' 23.19", W088° 04' 33.91"	1.6631

Available DMEs by Waypoints

Waypoint Before	Waypoint After	DME List
SOOLU	JORJO	CGT, GCO, DPA, EON, OBK, JOT
JORJO	MONKZ	CGT, GCO, DPA, OBK, JOT
MONKZ	RREGY	CGT, GCO, DPA, OBK, JOT

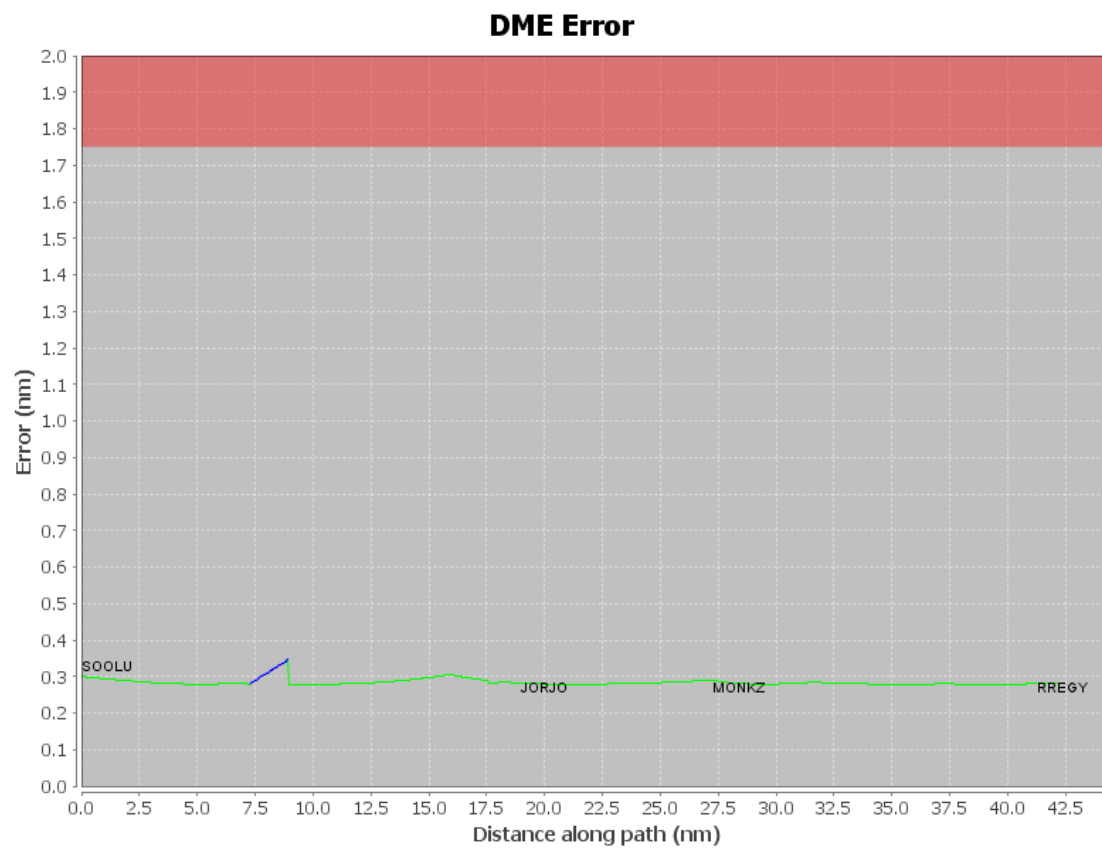
User Data Files

#	File Name
1	UserDMEsKORD [IFPA] ERNNY7 RNAV STAR_20200401_1248 CDT.udt

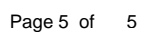
User DMEs

#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	MBL FAA 830756-006 MBL [IFPA]	N44° 16' 14.31", W086° 15' 14.56"	5.0 W	40	620	111.4	MBL FAA 830756-006	
ESV:		Bearing [True]: 268.0° to 302.0° Bearing [Mag]: 273.0° to 307.0°				Arc Distance: Out to 75.0 NM Altitude: 8900.0 to 20000.0 ft		
2	ESC FAA 671321-005 ESC [IFPA]	N45° 43' 21.49", W087° 05' 22.55"	0.0 E	40	607	110.8	ESC FAA 671321-005	
ESV:		Bearing [True]: 180.0° to 190.0° Bearing [Mag]: 180.0° to 190.0°				Arc Distance: Out to 91.0 NM Altitude: 8900.0 to 12000.0 ft		
3	GRB FAA 900602-021 GRB [IFPA]	N44° 33' 18.58", W088° 11' 41.49"	1.0 E	130	766.5	115.5	GRB FAA 900602-021	
ESV:		Bearing [True]: 159.0° to 170.0° Bearing [Mag]: 158.0° to 169.0°				Arc Distance: Out to 65.0 NM Altitude: 4900.0 to 16000.0 ft		
4	OSH FAA 670046-013 OSH [IFPA]	N43° 59' 25.56", W088° 33' 21.36"	2.0 E	130	787.4	116.75	OSH FAA 670046-013	
ESV:		Bearing [True]: 121.0° to 163.0° Bearing [Mag]: 119.0° to 161.0°				Arc Distance: Out to 63.0 NM Altitude: 5000.0 to 17000.0 ft		
5	JVL FAA 900555-015 JVL [IFPA]	N42° 33' 28.83", W089° 06' 18.93"	3.0 E	40	948.2	114.3	JVL FAA 900555-015	
ESV:		Bearing [True]: 49.0° to 58.0° Bearing [Mag]: 46.0° to 55.0°				Arc Distance: Out to 63.0 NM Altitude: 5900.0 to 19000.0 ft		
6	OBK FAA 704122-018 OBK [IFPA]	N42° 13' 16.96", W087° 57' 05.83"	2.0 W	130	707	113.0	OBK FAA 704122-018	
ESV:		Bearing [True]: 357.0° to 14.0° Bearing [Mag]: 359.0° to 16.0°				Arc Distance: Out to 65.0 NM Altitude: 5000.0 to 16000.0 ft		

DME DME Assessment Results for MADII6 path SOOLU_RREGY



Graphic Depiction 1



DME DME Assessment Results for MADII6 path VIKS_FGHRN

Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Robert CTR Ellis
Project File:	C:\Users\Robert CTR Ellis\Desktop\KORD DME Assessments\ORD STAR MADII SIX 20200402 DME ELLIS.tgs
Output File:	C:\Users\Robert CTR Ellis\Desktop\KORD DME Assessments\KORD [IFPA] MADII6 20200406_1234 CDT\VIKS_FGHRN\KORD MADII6 RNAV STAR VIKS FGHRN 20200406_1234 CDT.pdf
Procedure Name:	MADII6
Software: DmeDmePlugin:	6.0.0
Date/Time:	04/06/2020 12:34 CDT
Databases:	DTED Level 0 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
VIKS	WP	N44° 16' 47.00", W087° 07' 38.00"	9000	VNAV	200	FLY_BY	TF
FGHRN	WP	N44° 06' 08.00", W087° 48' 09.00"	9000	VNAV	200	FLY_BY	TF

Flyability

Flight Type:	RNAV_STAR
Selected Airport:	KORD [IFPA]
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 MADII6 path VIKS_FGHRN

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:	Enabled
Disabled DMEs:	AUW,BAE,MKG

DME/DME (Continued)										
DMEs Used										
#	Name	Lat/Lon	MAGVAR	Range	Type	Source	Critical	Status	Time	Distance
1	GRB	N44° 33' 18.58", W088° 11' 41.49"	1.0 E	130	H	IFPA	NO	Enabled	40.1 %	40.1 %
2	MTW	N44° 07' 42.60", W087° 40' 47.71"	0.0 E	25	T	IFPA	NO	Enabled	11.1 %	11.1 %
3	OSH	N43° 59' 25.56", W088° 33' 21.36"	2.0 E	130	H	IFPA	NO	Enabled	19.9 %	19.9 %
4	MBL	N44° 16' 14.31", W086° 15' 14.56"	5.0 W	40	L	IFPA	NO	Enabled	3.2 %	3.2 %
5	FAH	N43° 46' 07.63", W087° 50' 55.57"	2.0 W	40	L	IFPA	NO	Enabled	40.1 %	40.1 %
6	ESC	N45° 43' 21.49", W087° 05' 22.55"	0.0 E	40	L	IFPA	NO	Enabled	5.9 %	5.9 %
7	AUW	N44° 50' 48.40", W089° 35' 11.68"	2.0 E	40	L	IFPA	NO	Disabled		
8	BAE	N43° 07' 00.67", W088° 17' 03.64"	2.0 E	130	H	IFPA	NO	Disabled		
9	MKG	N43° 10' 09.31", W086° 02' 21.76"	1.0 W	40	L	IFPA	NO	Disabled		

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	ESC	MBL				
0.9	ESC	MBL	MTW			
1.1	ESC	MTW				
1.9						
18.6	FAH	GRB	MTW			
20.1	FAH	GRB				
24.9	FAH	GRB	OSH			
30.0	MTW	GRB	FAH	OSH		

Inertial Drift Segments			
#	Start Location	End Location	Length [NM]
1	N44° 16' 08.55", W087° 10' 06.28"	N44° 10' 25.78", W087° 31' 56.61"	16.7112

DME DME Assessment Results for MADII6 path VIIKS_FGHRN

Available DMEs by Waypoints

Waypoint Before	Waypoint After	DME List
VIIKS	FGHRN	MTW, ESC, OSH, MBL, GRB, FAH

User Data Files

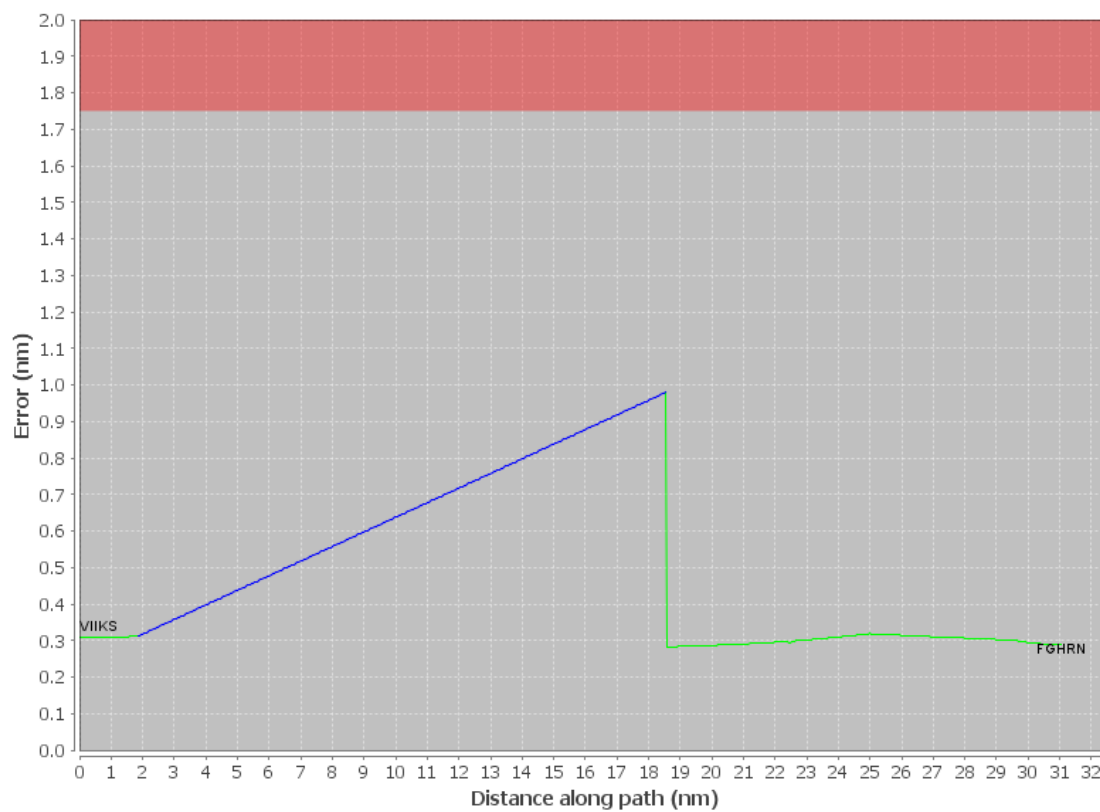
#	File Name
1	UserDMEsKORD [IFPA] ERNNY7 RNAV STAR_20200401_1248 CDT.udt

User DMEs

#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	MBL FAA 830756-006 MBL [IFPA]	N44° 16' 14.31", W086° 15' 14.56"	5.0 W	40	620	111.4	MBL FAA 830756-006	
	ESV:	Bearing [True]: 268.0° to 302.0° Bearing [Mag]: 273.0° to 307.0°				Arc Distance: Out to 75.0 NM Altitude: 8900.0 to 20000.0 ft		
2	ESC FAA 671321-005 ESC [IFPA]	N45° 43' 21.49", W087° 05' 22.55"	0.0 E	40	607	110.8	ESC FAA 671321-005	
	ESV:	Bearing [True]: 180.0° to 190.0° Bearing [Mag]: 180.0° to 190.0°				Arc Distance: Out to 91.0 NM Altitude: 8900.0 to 12000.0 ft		
3	GRB FAA 900602-021 GRB [IFPA]	N44° 33' 18.58", W088° 11' 41.49"	1.0 E	130	766.5	115.5	GRB FAA 900602-021	
	ESV:	Bearing [True]: 159.0° to 170.0° Bearing [Mag]: 158.0° to 169.0°				Arc Distance: Out to 65.0 NM Altitude: 4900.0 to 16000.0 ft		
4	OSH FAA 670046-013 OSH [IFPA]	N43° 59' 25.56", W088° 33' 21.36"	2.0 E	130	787.4	116.75	OSH FAA 670046-013	
	ESV:	Bearing [True]: 121.0° to 163.0° Bearing [Mag]: 119.0° to 161.0°				Arc Distance: Out to 63.0 NM Altitude: 5000.0 to 17000.0 ft		
5	JVL FAA 900555-015 JVL [IFPA]	N42° 33' 28.83", W089° 06' 18.93"	3.0 E	40	948.2	114.3	JVL FAA 900555-015	
	ESV:	Bearing [True]: 49.0° to 58.0° Bearing [Mag]: 46.0° to 55.0°				Arc Distance: Out to 63.0 NM Altitude: 5900.0 to 19000.0 ft		
6	OBK FAA 704122-018 OBK [IFPA]	N42° 13' 16.96", W087° 57' 05.83"	2.0 W	130	707	113.0	OBK FAA 704122-018	
	ESV:	Bearing [True]: 357.0° to 14.0° Bearing [Mag]: 359.0° to 16.0°				Arc Distance: Out to 65.0 NM Altitude: 5000.0 to 16000.0 ft		

DME DME Assessment Results for MADII6 path VIIKS_FGHRN

DME Error



Graphic Depiction 1

