

DME DME Assessment Results for MBELL5 path BLEEM_SIPPN

Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Jose G-CTR Medina
Project File:	C:\Users\Jose G-CTR Medina\OneDrive - Federal Aviation Administration\Documents\01. Projects\DME EVALUATIONS\KSDf\SDF DME Files\DME SCREENS\KSDf MBELL RNAV STAR DME\KSDf MBELL STAR DME SCREEN_20231031.tgs
Output File:	C:\Users\Jose G-CTR Medina\OneDrive - Federal Aviation Administration\Documents\01. Projects\DME EVALUATIONS\KSDf\SDF DME Files\DME SCREENS\KSDf MBELL RNAV STAR DME\KSDf [IFPA] MBELL5 20240228_1350 CST\BLEEM_SIPPN\KSDf MBELL5 RNAV STAR BLEEM SIPPN 20240228_1350 CST.pdf
Procedure Name:	MBELL5
Software: DmeDmePlugin:	7.2.1
Date/Time:	02/28/2024 13:50 CST
Databases:	DTED LEVEL 0 MAX

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
BLEEM	WP	N37° 59' 12.5393", W086° 16' 22.7007"	6000	VNAV	280	FLY_BY	TF
DOWNNS	WP	N38° 03' 13.8300", W086° 15' 05.7000"	5000	VNAV	280	FLY_BY	TF
SIPPN	WP	N38° 11' 03.9854", W086° 10' 25.9667"	4500	VNAV	280	FLY_OVER	TF

Flyability

Flight Type:	RNAV_STAR
Selected Airport:	KSDf [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 MBELL5 path BLEEM_SIPPN

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	FTK	N37° 54' 25.9809", W085° 58' 21.2291"	1.0 W	25	T	IFPA	NO	Enabled	4.8 %	4.8 %
2	IIU	N38° 06' 12.4718", W085° 34' 38.7717"	1.0 E	130	H	IFPA	NO	Enabled	20.4 %	20.4 %
3	EWO	N37° 37' 54.5210", W085° 40' 33.1590"	1.0 E	40	L	IFPA	NO	Enabled	15.6 %	15.6 %
4	CCT	N37° 22' 56.7182", W087° 15' 49.3325"	0.0 E	40	L	IFPA	NO	Enabled		

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	CCT	EWO	FTK	IIU		
0.1	EWO	IIU				
2.0	EWO	IIU	FTK			
2.1						
12.2	FTK	IIU				

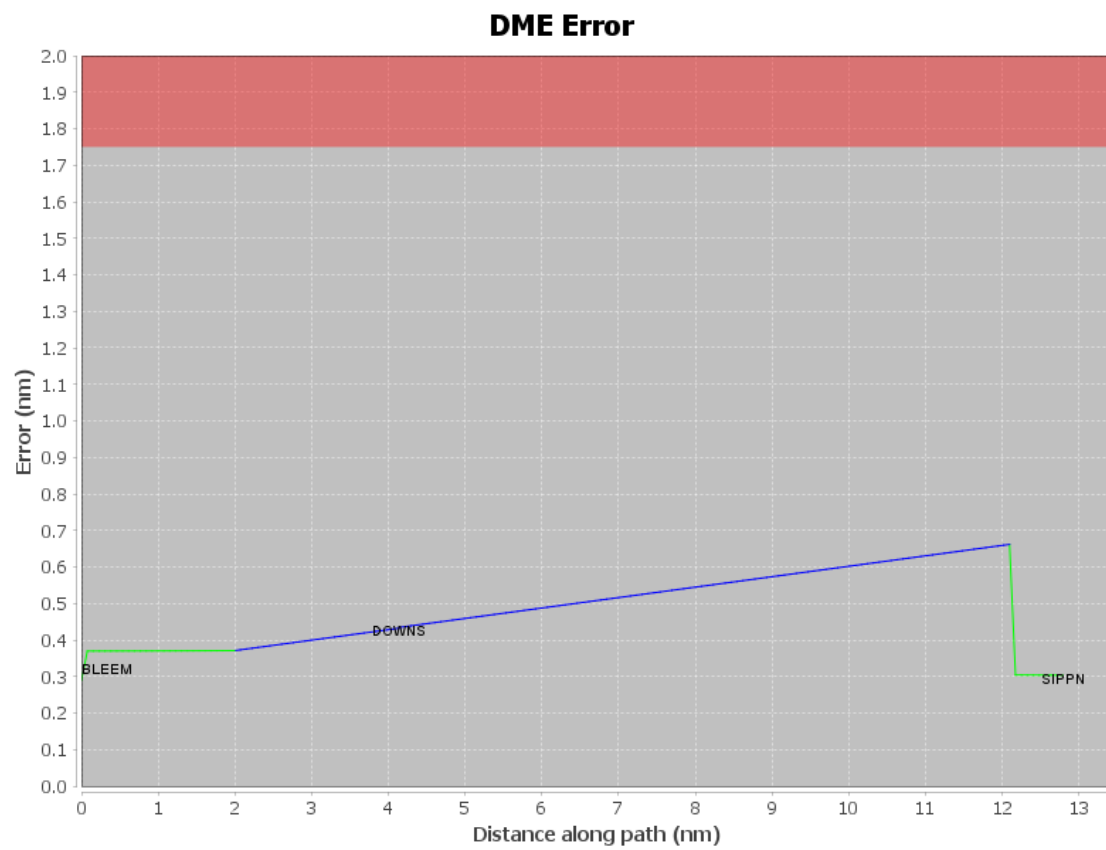
Inertial Drift Segments			
#	Start Location	End Location	Length [NM]
1	N38° 01' 13.1867", W086° 15' 44.2179"	N38° 10' 30.4094", W086° 10' 45.9807"	10.1047

Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
BLEEM	DOWNS	IIU, CCT, EWO, FTK	
DOWNS	SIPPN	IIU, FTK	

DME DME Assessment Results for MBELL5 path BLEEM_SIPP

User Data Files								
#	File Name							
1	USERDM~1.udt							
User DMEs								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	LWV FAA 960497-005 LWV [IFPA]	N38° 46' 11.5255", W087° 36' 13.7792"	-0.0 E	25	429.7	null	LWV FAA 960497-005	
ESV:		Bearing [True]: 163.0° to 176.0° Bearing [Mag]: 163.0° to 176.0°				Arc Distance: Out to 63.0 NM Altitude: 9900.0 to 12500.0 ft		
2	VIH FAA 704279-030 VIH [IFPA]	N38° 09' 14.6590", W091° 42' 24.3790"	6.0 E	40	1105	117.7	VIH FAA 704279-030	
ESV:		Bearing [True]: 126.0° to 129.0° Bearing [Mag]: 120.0° to 123.0°				Arc Distance: Out to 113.0 NM Altitude: 9900.0 to 19200.0 ft		
3	FTK AR 125133-2 FTK [IFPA]	N37° 54' 25.9809", W085° 58' 21.2291"	1.0 W	25	733.8	109.6	FTK AR 125133-2	
ESV:		Bearing [True]: 350.0° to 60.0° Bearing [Mag]: 351.0° to 61.0°				Arc Distance: Out to 44.0 NM Altitude: 2300.0 to 10000.0 ft		
4	ARG FAA 698164-038 ARG [IFPA]	N36° 06' 36.0717", W090° 57' 13.2959"	4.0 E	130	265.4	114.5	ARG FAA 698164-038	
ESV:		Bearing [True]: 62.0° to 75.0° Bearing [Mag]: 58.0° to 71.0°				Arc Distance: Out to 117.0 NM Altitude: 9900.0 to 18300.0 ft		
5	MWA FAA 861441-019 MWA [IFPA]	N37° 45' 15.7642", W089° 00' 42.4918"	0.0 E	40	466.1	null	MWA FAA 861441-019	
ESV:		Bearing [True]: 70.0° to 115.0° Bearing [Mag]: 70.0° to 115.0°				Arc Distance: Out to 69.0 NM Altitude: 9900.0 to 18500.0 ft		
6	HYK FAA 680420-15 HYK [IFPA]	N37° 57' 58.8562", W084° 28' 21.0613"	0.0 E	40	1034.8	112.6	HYK FAA 680420-15	
ESV:		Bearing [True]: 243.0° to 290.0° Bearing [Mag]: 243.0° to 290.0°				Arc Distance: Out to 75.0 NM Altitude: 4500.0 to 23000.0 ft		
7	CGI FAA 784507-015 CGI [IFPA]	N37° 13' 39.1407", W089° 34' 20.6799"	0.0 E	40	334.7	null	CGI FAA 784507-015	
ESV:		Bearing [True]: 98.0° to 156.0° Bearing [Mag]: 98.0° to 156.0°				Arc Distance: Out to 50.0 NM Altitude: 9900.0 to 18400.0 ft		
8	BIB FAA 702678-012 BIB [IFPA]	N38° 55' 13.2432", W088° 28' 54.4967"	3.0 E	40	534.6	109.0	BIB FAA 702678-012	
ESV:		Bearing [True]: 205.0° to 219.0° Bearing [Mag]: 202.0° to 216.0°				Arc Distance: Out to 50.0 NM Altitude: 9900.0 to 18600.0 ft		
9	CCT FAA 703978-15 CCT [IFPA]	N37° 22' 56.7182", W087° 15' 49.3325"	0.0 E	40	452.2	null	CCT FAA 703978-15	
ESV:		Bearing [True]: 40.0° to 60.0° Bearing [Mag]: 40.0° to 60.0°				Arc Distance: Out to 65.0 NM Altitude: 6000.0 to 16000.0 ft		
10	VNN FAA 840202-002 VNN [IFPA]	N38° 21' 43.0336", W088° 48' 26.4131"	0.0 E	40	557.5	null	VNN FAA 840202-002	
ESV:		Bearing [True]: 119.0° to 178.0° Bearing [Mag]: 119.0° to 178.0°				Arc Distance: Out to 80.0 NM Altitude: 9900.0 to 18600.0 ft		
11	EWO FAA 200445-11 EWO [IFPA]	N37° 37' 54.5210", W085° 40' 33.1590"	1.0 E	40	960	113.95	EWO FAA 200445-11	
ESV:		Bearing [True]: 328.0° to 355.0° Bearing [Mag]: 327.0° to 354.0°				Arc Distance: Out to 45.0 NM Altitude: 3500.0 to 16000.0 ft		

DME DME Assessment Results for MBELL5 path BLEEM_SIPP



DME DME Assessment Results for MBELL5 path BUMPY_MAYLN

Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Jose G-CTR Medina
Project File:	C:\Users\Jose G-CTR Medina\OneDrive - Federal Aviation Administration\Documents\01. Projects\DME EVALUATIONS\KSDf\SDF DME Files\DME SCREENS\KSDf MBELL RNAV STAR DME\KSDf MBELL STAR DME SCREEN_20231031.tgs
Output File:	C:\Users\Jose G-CTR Medina\OneDrive - Federal Aviation Administration\Documents\01. Projects\DME EVALUATIONS\KSDf\SDF DME Files\DME SCREENS\KSDf MBELL RNAV STAR DME\KSDf [IFPA] MBELL5 20240228_1350 CST\BUMPY_MAYLN\KSDf MBELL5 RNAV STAR BUMPY MAYLN 20240228_1350 CST.pdf
Procedure Name:	MBELL5
Software: DmeDmePlugin:	7.2.1
Date/Time:	02/28/2024 13:50 CST
Databases:	DTED LEVEL 0 MAX

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
BUMPY	WP	N36° 32' 33.7983", W089° 08' 07.1117"	10000	VNAV	280	FLY_BY	TF
PENBE	WP	N37° 39' 15.5100", W088° 09' 31.4200"	10000	VNAV	280	FLY_BY	TF
XXTRA	WP	N37° 50' 50.7693", W087° 29' 50.9237"	10000	VNAV	280	FLY_BY	TF
JIINN	WP	N37° 43' 37.4437", W086° 32' 23.0003"	10000	VNAV	280	FLY_BY	TF
MBELL_	WP	N37° 45' 36.4199", W086° 20' 38.6130"	10000	VNAV	280	FLY_BY	TF
LOKBL	WP	N37° 44' 55.6335", W086° 11' 51.5208"	10000	VNAV	280	FLY_BY	TF
LIYAH	WP	N37° 44' 19.1436", W086° 03' 03.9734"	6000	VNAV	280	FLY_BY	TF
PRKER	WP	N37° 43' 39.5228", W085° 54' 16.8846"	6000	VNAV	280	FLY_BY	TF
KYSEN	WP	N37° 42' 59.2475", W085° 45' 29.9531"	5000	VNAV	280	FLY_BY	TF
SHLEY	WP	N37° 46' 03.7176", W085° 39' 22.2250"	5000	VNAV	280	FLY_BY	TF
FARNK	WP	N38° 00' 34.8800", W085° 32' 19.5100"	5000	VNAV	280	FLY_BY	TF
MAYLN	WP	N37° 58' 03.0400", W085° 24' 03.1400"	5000	VNAV	280	FLY_OVER	TF

DME DME Assessment Results for MBELL5 path BUMPY_MAYLN

Flyability	
Flight Type:	RNAV_STAR
Selected Airport:	KSDF [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:	Not enabled
Disabled DMEs:	None

DME DME Assessment Results for MBELL5 path BUMPY_MAYLN

DME/DME (Continued)										
DMEs Used										
#	Name	Lat/Lon	MAGVAR	Range	Type	Source	Critical	Status	Time	Distance
1	FTK	N37° 54' 25.9809", W085° 58' 21.2291"	1.0 W	25	T	IFPA	NO	Enabled	24.1 %	24.1 %
2	LWV	N38° 46' 11.5255", W087° 36' 13.7792"	-0.0 E	25	T	IFPA	NO	Enabled	4.7 %	4.7 %
3	ARG	N36° 06' 36.0717", W090° 57' 13.2959"	4.0 E	130	H	IFPA	NO	Enabled	12.4 %	12.5 %
4	CNG	N37° 00' 30.9934", W088° 50' 12.8860"	3.0 E	40	L	IFPA	NO	Enabled	26.1 %	26.2 %
5	MWA	N37° 45' 15.7642", W089° 00' 42.4918"	0.0 E	40	L	IFPA	NO	Enabled	13.9 %	13.9 %
6	VNN	N38° 21' 43.0336", W088° 48' 26.4131"	0.0 E	40	L	IFPA	NO	Enabled	25.9 %	25.9 %
7	CGI	N37° 13' 39.1407", W089° 34' 20.6799"	0.0 E	40	L	IFPA	NO	Enabled	12.8 %	12.9 %
8	BQM	N38° 13' 48.7879", W085° 39' 53.0824"	0.0 E	25	T	IFPA	NO	Enabled	7.6 %	7.6 %
9	IIU	N38° 06' 12.4718", W085° 34' 38.7717"	1.0 E	130	H	IFPA	NO	Enabled	22.1 %	22.1 %
10	PXV	N37° 55' 41.9514", W087° 45' 44.5675"	3.0 E	130	H	IFPA	NO	Enabled	31 %	31 %
11	OWB	N37° 44' 36.7983", W087° 09' 57.3722"	4.0 W	40	L	IFPA	NO	Enabled	21.2 %	21.2 %
12	EWO	N37° 37' 54.5210", W085° 40' 33.1590"	1.0 E	40	L	IFPA	NO	Enabled	25.6 %	25.6 %
13	CCT	N37° 22' 56.7182", W087° 15' 49.3325"	0.0 E	40	L	IFPA	NO	Enabled	27.6 %	27.5 %
14	HYK	N37° 57' 58.8562", W084° 28' 21.0613"	0.0 E	40	L	IFPA	NO	Enabled	15 %	15 %
15	FLM	N38° 38' 57.9899", W084° 18' 38.1657"	4.0 W	130	DH	IFPA	NO	Enabled	1.5 %	1.5 %

DME DME Assessment Results for MBELL5 path BUMPY_MAYLN

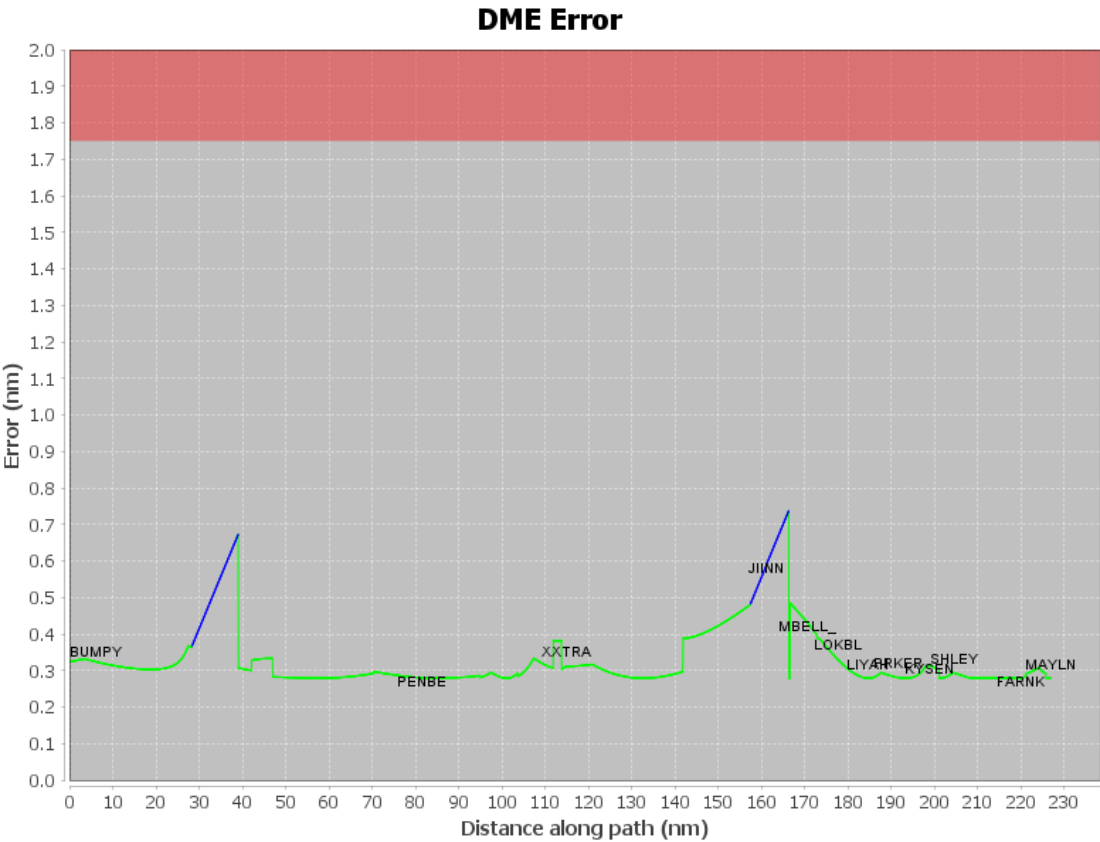
Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	ARG	CGI	CNG			
28.2	ARG	CGI				
28.3						
39.1	CGI	VNN	CNG			
40.1	VNN	CNG				
67.0	VNN	PXV	CNG			
70.1	MWA	CNG	VNN	PXV		
70.3	VNN	PXV	MWA			
93.9	VNN	PXV	MWA	OWB		
94.8	PXV	CCT	OWB			
103.6	MWA	PXV	OWB	CCT	VNN	
106.9	MWA	PXV	CCT	OWB		
110.0	MWA	CCT	OWB			
110.6	CCT	OWB				
113.8	CCT	OWB	PXV			
114.9	LWV	PXV	OWB	CCT		
125.0	PXV	CCT	LWV			
125.6	PXV	CCT				
140.3	PXV	CCT	OWB			
141.3	CCT	OWB				
157.4						
166.4	FTK	EWO				
175.8	FTK	EWO	FLM			
176.3	FTK	EWO	IIU	FLM		
178.2	FTK	EWO	IIU			
190.5	HYK	FTK	EWO	IIU		
198.7	FTK	IIU	HYK			
201.1	HYK	EWO	FTK	IIU		
209.7	FTK	EWO	HYK	BQM	IIU	
220.0	FTK	IIU	BQM	EWO		
221.2	HYK	EWO	BQM			
221.5	HYK	EWO	BQM	IIU		
225.8	FLM	BQM	IIU	EWO		

Inertial Drift Segments			
#	Start Location	End Location	Length [NM]
1	N36° 55' 47.0611", W088° 47' 57.6198"	N37° 04' 38.1725", W088° 40' 12.5291"	10.8031
2	N37° 44' 12.8102", W086° 36' 55.8645"	N37° 44' 43.3638", W086° 25' 53.6603"	8.9082

Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
BUMPY	PENBE	CGI, ARG, MWA, VNN, CNG, PXV	
PENBE	XXTRA	CCT, MWA, VNN, LWV, OWB, PXV	
XXTRA	JIINN	CCT, LWV, OWB, PXV	
JIINN	MBELL_	FTK, EWO	
MBELL_	LOKBL	IIU, FLM, FTK, EWO	
LOKBL	LIYAH	IIU, FLM, EWO, FTK	
LIYAH	PRKER	IIU, HYK, FTK, EWO	
PRKER	KYSEN	IIU, HYK, FTK, EWO	
KYSEN	SHLEY	IIU, HYK, FTK, EWO	
SHLEY	FARNK	IIU, HYK, FTK, EWO, BQM	
FARNK	MAYLN	IIU, FLM, HYK, FTK, EWO, BQM	

DME DME Assessment Results for MBELL5 path BUMPY_MAYLN

User Data Files								
#	File Name							
1	USERDM~1.udt							
User DMEs								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	LWV FAA 960497-005 LWV [IFPA]	N38° 46' 11.5255", W087° 36' 13.7792"	-0.0 E	25	429.7	null	LWV FAA 960497-005	
ESV:		Bearing [True]: 163.0° to 176.0° Bearing [Mag]: 163.0° to 176.0°				Arc Distance: Out to 63.0 NM Altitude: 9900.0 to 12500.0 ft		
2	VIH FAA 704279-030 VIH [IFPA]	N38° 09' 14.6590", W091° 42' 24.3790"	6.0 E	40	1105	117.7	VIH FAA 704279-030	
ESV:		Bearing [True]: 126.0° to 129.0° Bearing [Mag]: 120.0° to 123.0°				Arc Distance: Out to 113.0 NM Altitude: 9900.0 to 19200.0 ft		
3	FTK AR 125133-2 FTK [IFPA]	N37° 54' 25.9809", W085° 58' 21.2291"	1.0 W	25	733.8	109.6	FTK AR 125133-2	
ESV:		Bearing [True]: 350.0° to 60.0° Bearing [Mag]: 351.0° to 61.0°				Arc Distance: Out to 44.0 NM Altitude: 2300.0 to 10000.0 ft		
4	ARG FAA 698164-038 ARG [IFPA]	N36° 06' 36.0717", W090° 57' 13.2959"	4.0 E	130	265.4	114.5	ARG FAA 698164-038	
ESV:		Bearing [True]: 62.0° to 75.0° Bearing [Mag]: 58.0° to 71.0°				Arc Distance: Out to 117.0 NM Altitude: 9900.0 to 18300.0 ft		
5	MWA FAA 861441-019 MWA [IFPA]	N37° 45' 15.7642", W089° 00' 42.4918"	0.0 E	40	466.1	null	MWA FAA 861441-019	
ESV:		Bearing [True]: 70.0° to 115.0° Bearing [Mag]: 70.0° to 115.0°				Arc Distance: Out to 69.0 NM Altitude: 9900.0 to 18500.0 ft		
6	HYK FAA 680420-15 HYK [IFPA]	N37° 57' 58.8562", W084° 28' 21.0613"	0.0 E	40	1034.8	112.6	HYK FAA 680420-15	
ESV:		Bearing [True]: 243.0° to 290.0° Bearing [Mag]: 243.0° to 290.0°				Arc Distance: Out to 75.0 NM Altitude: 4500.0 to 23000.0 ft		
7	CGI FAA 784507-015 CGI [IFPA]	N37° 13' 39.1407", W089° 34' 20.6799"	0.0 E	40	334.7	null	CGI FAA 784507-015	
ESV:		Bearing [True]: 98.0° to 156.0° Bearing [Mag]: 98.0° to 156.0°				Arc Distance: Out to 50.0 NM Altitude: 9900.0 to 18400.0 ft		
8	BIB FAA 702678-012 BIB [IFPA]	N38° 55' 13.2432", W088° 28' 54.4967"	3.0 E	40	534.6	109.0	BIB FAA 702678-012	
ESV:		Bearing [True]: 205.0° to 219.0° Bearing [Mag]: 202.0° to 216.0°				Arc Distance: Out to 50.0 NM Altitude: 9900.0 to 18600.0 ft		
9	CCT FAA 703978-15 CCT [IFPA]	N37° 22' 56.7182", W087° 15' 49.3325"	0.0 E	40	452.2	null	CCT FAA 703978-15	
ESV:		Bearing [True]: 40.0° to 60.0° Bearing [Mag]: 40.0° to 60.0°				Arc Distance: Out to 65.0 NM Altitude: 6000.0 to 16000.0 ft		
10	VNN FAA 840202-002 VNN [IFPA]	N38° 21' 43.0336", W088° 48' 26.4131"	0.0 E	40	557.5	null	VNN FAA 840202-002	
ESV:		Bearing [True]: 119.0° to 178.0° Bearing [Mag]: 119.0° to 178.0°				Arc Distance: Out to 80.0 NM Altitude: 9900.0 to 18600.0 ft		
11	EWO FAA 200445-11 EWO [IFPA]	N37° 37' 54.5210", W085° 40' 33.1590"	1.0 E	40	960	113.95	EWO FAA 200445-11	
ESV:		Bearing [True]: 328.0° to 355.0° Bearing [Mag]: 327.0° to 354.0°				Arc Distance: Out to 45.0 NM Altitude: 3500.0 to 16000.0 ft		



DME DME Assessment Results for MBELL5 path IMOUT_XXTRA

Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Jose G-CTR Medina
Project File:	C:\Users\Jose G-CTR Medina\OneDrive - Federal Aviation Administration\Documents\01. Projects\DME EVALUATIONS\KSDf\SDF DME Files\DME SCREENS\KSDf MBELL RNAV STAR DME\KSDf MBELL STAR DME SCREEN_20231031.tgs
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Procedure Name:	MBELL5
Software: DmeDmePlugin:	7.2.1
Date/Time:	02/28/2024 13:50 CST
Databases:	DTED LEVEL 0 MAX

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
IMOUT	WP	N38° 18' 00.5984", W089° 02' 45.2116"	10000	VNAV	280	FLY_BY	TF
VENMO	WP	N38° 13' 46.3747", W088° 16' 44.6123"	10000	VNAV	280	FLY_BY	TF
XXTRA	WP	N37° 50' 50.7693", W087° 29' 50.9237"	10000	VNAV	280	FLY_BY	TF

Flyability

Flight Type:	RNAV_STAR
Selected Airport:	KSDf [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 MBELL5 path IMOUT_XXTRA

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	PXV	N37° 55' 41.9514", W087° 45' 44.5675"	3.0 E	130	H	IFPA	NO	Enabled	38.8 %	38.8 %
2	LWV	N38° 46' 11.5255", W087° 36' 13.7792"	-0.0 E	25	T	IFPA	NO	Enabled	0.6 %	0.6 %
3	ENL	N38° 25' 11.9953", W089° 09' 32.3921"	4.0 E	130	H	IFPA	NO	Enabled	40.6 %	40.6 %
4	SAM	N38° 29' 06.6770", W088° 05' 08.9030"	0.0 E	40	L	IFPA	NO	Enabled	70.1 %	70.1 %
5	OWB	N37° 44' 36.7983", W087° 09' 57.3722"	4.0 W	40	L	IFPA	NO	Enabled	22.8 %	22.8 %
6	MWA	N37° 45' 15.7642", W089° 00' 42.4918"	0.0 E	40	L	IFPA	NO	Enabled	36.9 %	36.9 %
7	VNN	N38° 21' 43.0336", W088° 48' 26.4131"	0.0 E	40	L	IFPA	NO	Enabled	53.8 %	53.7 %
8	CSX	N38° 45' 09.8799", W090° 21' 39.4546"	0.0 E	130	DL	IFPA	NO	Enabled	53.3 %	53.2 %
9	CCT	N37° 22' 56.7182", W087° 15' 49.3325"	0.0 E	40	L	IFPA	NO	Enabled	14 %	14 %
10	BIB	N38° 55' 13.2432", W088° 28' 54.4967"	3.0 E	40	L	IFPA	NO	Enabled	9.4 %	9.4 %

DME DME Assessment Results for MBELL5 path IMOUT_XXTRA

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	BIB	CSX	MWA	VNN	ENL	
5.5	BIB	ENL	CSX	MWA		
7.6	VNN	ENL	MWA	CSX	SAM	
7.8	MWA	CSX	ENL	VNN		
8.0	VNN	ENL	MWA	CSX	SAM	
9.2	MWA	ENL	CSX	SAM		
13.7	VNN	SAM	MWA	ENL	CSX	
18.9	VNN	SAM	ENL	CSX		
27.7	PXV	SAM	VNN	ENL	CSX	
32.6	PXV	SAM	VNN	CSX		
42.7	VNN	SAM	PXV			
48.1	VNN	SAM				
49.9						
57.3	OWB	SAM				
58.7						
59.1	MWA	SAM	PXV	OWB		
64.6	MWA	SAM				
68.4	PXV	SAM	CCT	OWB		
69.5	MWA	SAM	PXV	OWB		
69.8	PXV	SAM	CCT	OWB		
72.1	MWA	CCT	PXV	OWB		
73.0	CCT	OWB				
75.7	MWA	CCT	PXV	OWB		
76.1	CCT	OWB				
78.6	LWV	PXV	OWB	CCT		
79.2	CCT	OWB				

Inertial Drift Segments			
#	Start Location	End Location	Length [NM]
1	N38° 06' 45.8702", W088° 02' 17.2946"	N38° 02' 50.3947", W087° 54' 14.4127"	7.4665
2	N38° 02' 06.1814", W087° 52' 43.9681"	N38° 01' 53.8965", W087° 52' 18.8500"	0.3889

Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
IMOUT	VENMO	ENL, MWA, VNN, CSX, BIB, SAM, PXV	
VENMO	XXTRA	CCT, MWA, VNN, CSX, LWV, OWB, SAM, PXV	

DME DME Assessment Results for MBELL5 path IMOUT_XXTRA

User Data Files

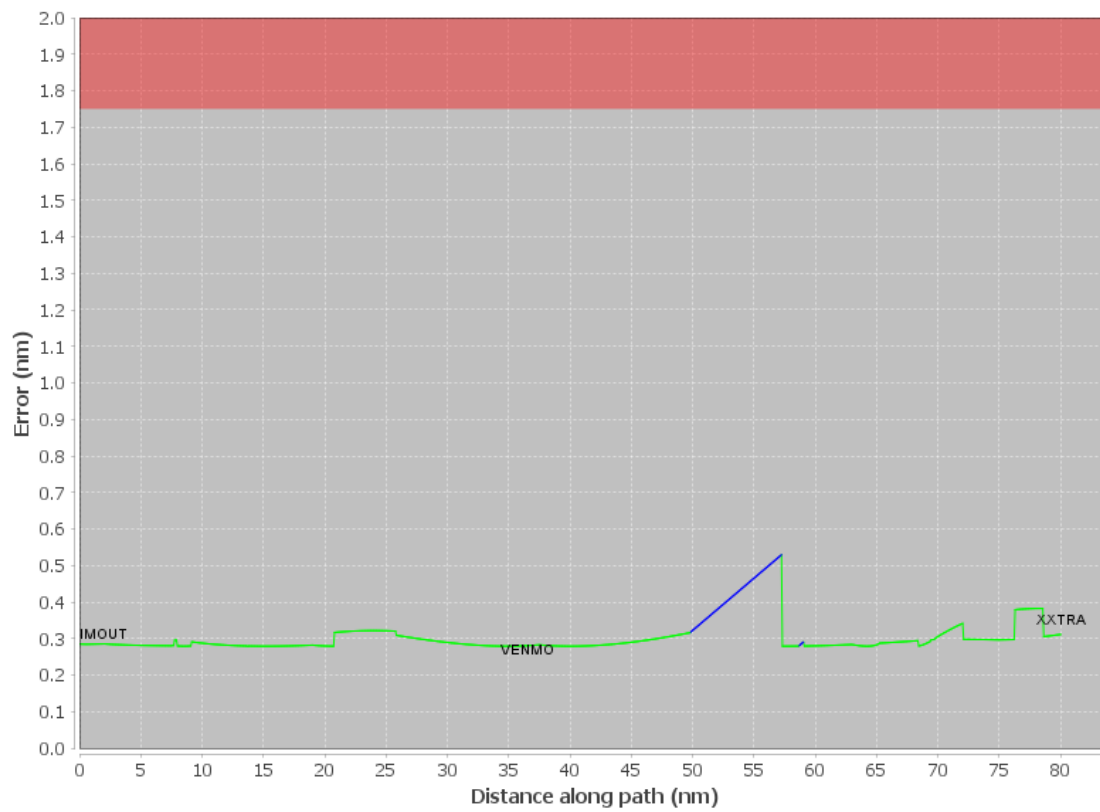
#	File Name
1	USERDM~1.udt

User DMEs

#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	LWV FAA 960497-005 LWV [IFPA]	N38° 46' 11.5255", W087° 36' 13.7792"	-0.0 E	25	429.7	null	LWV FAA 960497-005	
ESV:		Bearing [True]: 163.0° to 176.0° Bearing [Mag]: 163.0° to 176.0°				Arc Distance: Out to 63.0 NM Altitude: 9900.0 to 12500.0 ft		
2	VIH FAA 704279-030 VIH [IFPA]	N38° 09' 14.6590", W091° 42' 24.3790"	6.0 E	40	1105	117.7	VIH FAA 704279-030	
ESV:		Bearing [True]: 126.0° to 129.0° Bearing [Mag]: 120.0° to 123.0°				Arc Distance: Out to 113.0 NM Altitude: 9900.0 to 19200.0 ft		
3	FTK AR 125133-2 FTK [IFPA]	N37° 54' 25.9809", W085° 58' 21.2291"	1.0 W	25	733.8	109.6	FTK AR 125133-2	
ESV:		Bearing [True]: 350.0° to 60.0° Bearing [Mag]: 351.0° to 61.0°				Arc Distance: Out to 44.0 NM Altitude: 2300.0 to 10000.0 ft		
4	ARG FAA 698164-038 ARG [IFPA]	N36° 06' 36.0717", W090° 57' 13.2959"	4.0 E	130	265.4	114.5	ARG FAA 698164-038	
ESV:		Bearing [True]: 62.0° to 75.0° Bearing [Mag]: 58.0° to 71.0°				Arc Distance: Out to 117.0 NM Altitude: 9900.0 to 18300.0 ft		
5	MWA FAA 861441-019 MWA [IFPA]	N37° 45' 15.7642", W089° 00' 42.4918"	0.0 E	40	466.1	null	MWA FAA 861441-019	
ESV:		Bearing [True]: 70.0° to 115.0° Bearing [Mag]: 70.0° to 115.0°				Arc Distance: Out to 69.0 NM Altitude: 9900.0 to 18500.0 ft		
6	HYK FAA 680420-15 HYK [IFPA]	N37° 57' 58.8562", W084° 28' 21.0613"	0.0 E	40	1034.8	112.6	HYK FAA 680420-15	
ESV:		Bearing [True]: 243.0° to 290.0° Bearing [Mag]: 243.0° to 290.0°				Arc Distance: Out to 75.0 NM Altitude: 4500.0 to 23000.0 ft		
7	CGI FAA 784507-015 CGI [IFPA]	N37° 13' 39.1407", W089° 34' 20.6799"	0.0 E	40	334.7	null	CGI FAA 784507-015	
ESV:		Bearing [True]: 98.0° to 156.0° Bearing [Mag]: 98.0° to 156.0°				Arc Distance: Out to 50.0 NM Altitude: 9900.0 to 18400.0 ft		
8	BIB FAA 702678-012 BIB [IFPA]	N38° 55' 13.2432", W088° 28' 54.4967"	3.0 E	40	534.6	109.0	BIB FAA 702678-012	
ESV:		Bearing [True]: 205.0° to 219.0° Bearing [Mag]: 202.0° to 216.0°				Arc Distance: Out to 50.0 NM Altitude: 9900.0 to 18600.0 ft		
9	CCT FAA 703978-15 CCT [IFPA]	N37° 22' 56.7182", W087° 15' 49.3325"	0.0 E	40	452.2	null	CCT FAA 703978-15	
ESV:		Bearing [True]: 40.0° to 60.0° Bearing [Mag]: 40.0° to 60.0°				Arc Distance: Out to 65.0 NM Altitude: 6000.0 to 16000.0 ft		
10	VNN FAA 840202-002 VNN [IFPA]	N38° 21' 43.0336", W088° 48' 26.4131"	0.0 E	40	557.5	null	VNN FAA 840202-002	
ESV:		Bearing [True]: 119.0° to 178.0° Bearing [Mag]: 119.0° to 178.0°				Arc Distance: Out to 80.0 NM Altitude: 9900.0 to 18600.0 ft		
11	EWO FAA 200445-11 EWO [IFPA]	N37° 37' 54.5210", W085° 40' 33.1590"	1.0 E	40	960	113.95	EWO FAA 200445-11	
ESV:		Bearing [True]: 328.0° to 355.0° Bearing [Mag]: 327.0° to 354.0°				Arc Distance: Out to 45.0 NM Altitude: 3500.0 to 16000.0 ft		

DME DME Assessment Results for MBELL5 path IMOUT_XXTRA

DME Error



DME DME Assessment Results for MBELL5 path KYSEN_BRBON

Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Jose G-CTR Medina
Project File:	C:\Users\Jose G-CTR Medina\OneDrive - Federal Aviation Administration\Documents\01. Projects\DME EVALUATIONS\KSDf\SDF DME Files\DME SCREENS\KSDf MBELL RNAV STAR DME\KSDf MBELL STAR DME SCREEN_20231031.tgs
Output File:	C:\Users\Jose G-CTR Medina\OneDrive - Federal Aviation Administration\Documents\01. Projects\DME EVALUATIONS\KSDf\SDF DME Files\DME SCREENS\KSDf MBELL RNAV STAR DME\KSDf [IFPA] MBELL5 20240228_1350 CST\KYSEN_BRBON\KSDf MBELL5 RNAV STAR KYSEN BRBON 20240228_1350 CST.pdf
Procedure Name:	MBELL5
Software: DmeDmePlugin:	7.2.1
Date/Time:	02/28/2024 13:50 CST
Databases:	DTED LEVEL 0 MAX

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
KYSEN	WP	N37° 42' 59.2475", W085° 45' 29.9531"	5000	VNAV	280	FLY_BY	TF
RNNER	WP	N37° 45' 17.7306", W085° 38' 35.1198"	5000	VNAV	280	FLY_BY	TF
BRBON	WP	N37° 50' 09.9400", W085° 38' 00.3300"	5000	VNAV	280	FLY_BY	TF

Flyability

Flight Type:	RNAV_STAR
Selected Airport:	KSDf [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 MBELL5 path KYSEN_BRBON

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	FTK	N37° 54' 25.9809", W085° 58' 21.2291"	1.0 W	25	T	IFPA	NO	Enabled	100 %	100 %
2	BQM	N38° 13' 48.7879", W085° 39' 53.0824"	0.0 E	25	T	IFPA	NO	Enabled	2.9 %	2.9 %
3	IIU	N38° 06' 12.4718", W085° 34' 38.7717"	1.0 E	130	H	IFPA	NO	Enabled	100 %	100 %
4	EWO	N37° 37' 54.5210", W085° 40' 33.1590"	1.0 E	40	L	IFPA	NO	Enabled	65.8 %	65.8 %
5	HYK	N37° 57' 58.8562", W084° 28' 21.0613"	0.0 E	40	L	IFPA	NO	Enabled	100 %	100 %

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	HYK	FTK	IIU			
3.7	HYK	EWO	FTK	IIU		
10.5	HYK	BQM	FTK	EWO	IIU	

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

Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
KYSEN	RNNER	IIU, HYK, FTK, EWO	
RNNER	BRBON	IIU, HYK, FTK, EWO, BQM	

DME DME Assessment Results for MBELL5 path KYSEN_BRBON

User Data Files

#	File Name
1	USERDM~1.udt

User DMEs

#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	LWV FAA 960497-005 LWV [IFPA]	N38° 46' 11.5255", W087° 36' 13.7792"	-0.0 E	25	429.7	null	LWV FAA 960497-005	
ESV:		Bearing [True]: 163.0° to 176.0° Bearing [Mag]: 163.0° to 176.0°				Arc Distance: Out to 63.0 NM Altitude: 9900.0 to 12500.0 ft		
2	VIH FAA 704279-030 VIH [IFPA]	N38° 09' 14.6590", W091° 42' 24.3790"	6.0 E	40	1105	117.7	VIH FAA 704279-030	
ESV:		Bearing [True]: 126.0° to 129.0° Bearing [Mag]: 120.0° to 123.0°				Arc Distance: Out to 113.0 NM Altitude: 9900.0 to 19200.0 ft		
3	FTK AR 125133-2 FTK [IFPA]	N37° 54' 25.9809", W085° 58' 21.2291"	1.0 W	25	733.8	109.6	FTK AR 125133-2	
ESV:		Bearing [True]: 350.0° to 60.0° Bearing [Mag]: 351.0° to 61.0°				Arc Distance: Out to 44.0 NM Altitude: 2300.0 to 10000.0 ft		
4	ARG FAA 698164-038 ARG [IFPA]	N36° 06' 36.0717", W090° 57' 13.2959"	4.0 E	130	265.4	114.5	ARG FAA 698164-038	
ESV:		Bearing [True]: 62.0° to 75.0° Bearing [Mag]: 58.0° to 71.0°				Arc Distance: Out to 117.0 NM Altitude: 9900.0 to 18300.0 ft		
5	MWA FAA 861441-019 MWA [IFPA]	N37° 45' 15.7642", W089° 00' 42.4918"	0.0 E	40	466.1	null	MWA FAA 861441-019	
ESV:		Bearing [True]: 70.0° to 115.0° Bearing [Mag]: 70.0° to 115.0°				Arc Distance: Out to 69.0 NM Altitude: 9900.0 to 18500.0 ft		
6	HYK FAA 680420-15 HYK [IFPA]	N37° 57' 58.8562", W084° 28' 21.0613"	0.0 E	40	1034.8	112.6	HYK FAA 680420-15	
ESV:		Bearing [True]: 243.0° to 290.0° Bearing [Mag]: 243.0° to 290.0°				Arc Distance: Out to 75.0 NM Altitude: 4500.0 to 23000.0 ft		
7	CGI FAA 784507-015 CGI [IFPA]	N37° 13' 39.1407", W089° 34' 20.6799"	0.0 E	40	334.7	null	CGI FAA 784507-015	
ESV:		Bearing [True]: 98.0° to 156.0° Bearing [Mag]: 98.0° to 156.0°				Arc Distance: Out to 50.0 NM Altitude: 9900.0 to 18400.0 ft		
8	BIB FAA 702678-012 BIB [IFPA]	N38° 55' 13.2432", W088° 28' 54.4967"	3.0 E	40	534.6	109.0	BIB FAA 702678-012	
ESV:		Bearing [True]: 205.0° to 219.0° Bearing [Mag]: 202.0° to 216.0°				Arc Distance: Out to 50.0 NM Altitude: 9900.0 to 18600.0 ft		
9	CCT FAA 703978-15 CCT [IFPA]	N37° 22' 56.7182", W087° 15' 49.3325"	0.0 E	40	452.2	null	CCT FAA 703978-15	
ESV:		Bearing [True]: 40.0° to 60.0° Bearing [Mag]: 40.0° to 60.0°				Arc Distance: Out to 65.0 NM Altitude: 6000.0 to 16000.0 ft		
10	VNN FAA 840202-002 VNN [IFPA]	N38° 21' 43.0336", W088° 48' 26.4131"	0.0 E	40	557.5	null	VNN FAA 840202-002	
ESV:		Bearing [True]: 119.0° to 178.0° Bearing [Mag]: 119.0° to 178.0°				Arc Distance: Out to 80.0 NM Altitude: 9900.0 to 18600.0 ft		
11	EWO FAA 200445-11 EWO [IFPA]	N37° 37' 54.5210", W085° 40' 33.1590"	1.0 E	40	960	113.95	EWO FAA 200445-11	
ESV:		Bearing [True]: 328.0° to 355.0° Bearing [Mag]: 327.0° to 354.0°				Arc Distance: Out to 45.0 NM Altitude: 3500.0 to 16000.0 ft		

DME DME Assessment Results for MBELL5 path KYSEN_BRBON



DME DME Assessment Results for MBELL5 path MBELL__PDUDL

Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Jose G-CTR Medina
Project File:	C:\Users\Jose G-CTR Medina\OneDrive - Federal Aviation Administration\Documents\01. Projects\DME EVALUATIONS\KSDF\SDF DME Files\DME SCREENS\KSDF MBELL RNAV STAR DME\KSDF MBELL STAR DME SCREEN_20231031.tgs
Output File:	C:\Users\Jose G-CTR Medina\OneDrive - Federal Aviation Administration\Documents\01. Projects\DME EVALUATIONS\KSDF\SDF DME Files\DME SCREENS\KSDF MBELL RNAV STAR DME\KSDF [IFPA] MBELL5 20240228_1350 CST\MBELL__PDUDL\KSDF MBELL5 RNAV STAR MBELL PDUDL 20240228_1350 CST.pdf
Procedure Name:	MBELL5
Software: DmeDmePlugin:	7.2.1
Date/Time:	02/28/2024 13:50 CST
Databases:	DTED LEVEL 0 MAX

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
MBELL_	WP	N37° 45' 36.4199", W086° 20' 38.6130"	10000	VNAV	280	FLY_BY	TF
AABBZ	WP	N37° 52' 24.6017", W086° 18' 31.3555"	10000	VNAV	280	FLY_BY	TF
BLEEM	WP	N37° 59' 12.5393", W086° 16' 22.7007"	6000	VNAV	280	FLY_BY	TF
GLENM	WP	N38° 05' 29.1925", W086° 12' 00.4412"	6000	VNAV	280	FLY_BY	TF
AUDRY	WP	N38° 10' 14.2256", W086° 05' 29.1199"	5000	VNAV	280	FLY_BY	TF
BEEKK	WP	N38° 12' 57.0191", W086° 01' 45.2233"	5000	VNAV	280	FLY_BY	TF
TROLI	WP	N38° 18' 26.4536", W085° 54' 10.7817"	5000	VNAV	280	FLY_BY	TF
PDUDL	WP	N38° 21' 36.8327", W085° 55' 11.0678"	5000	VNAV	280	FLY_OVER	TF

Flyability

Flight Type:	RNAV_STAR
Selected Airport:	KSDF [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 MBELL5 path MBELL_PDUDL

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	FTK	N37° 54' 25.9809", W085° 58' 21.2291"	1.0 W	25	T	IFPA	NO	Enabled	83.5 %	83.5 %
2	BQM	N38° 13' 48.7879", W085° 39' 53.0824"	0.0 E	25	T	IFPA	NO	Enabled	41.6 %	41.5 %
3	IIU	N38° 06' 12.4718", W085° 34' 38.7717"	1.0 E	130	H	IFPA	NO	Enabled	69.1 %	69.1 %
4	EWO	N37° 37' 54.5210", W085° 40' 33.1590"	1.0 E	40	L	IFPA	NO	Enabled	68.4 %	68.4 %
5	CCT	N37° 22' 56.7182", W087° 15' 49.3325"	0.0 E	40	L	IFPA	NO	Enabled	26.7 %	26.7 %
6	HYK	N37° 57' 58.8562", W084° 28' 21.0613"	0.0 E	40	L	IFPA	NO	Enabled	7.7 %	7.7 %

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	FTK	EWO				
4.9						
6.7	CCT	EWO				
8.1	CCT	EWO	IIU			
9.7	CCT	EWO	IIU	FTK		
18.4	FTK	IIU				
23.2						
25.4	FTK	BQM				
28.5	FTK	BQM	EWO	IIU		
38.3	FTK	BQM	HYK	IIU	EWO	
39.0	FTK	BQM	HYK	IIU		
40.3	FTK	HYK	BQM	IIU	EWO	
41.8	FTK	BQM	IIU	EWO		
43.1	FTK	BQM	IIU			

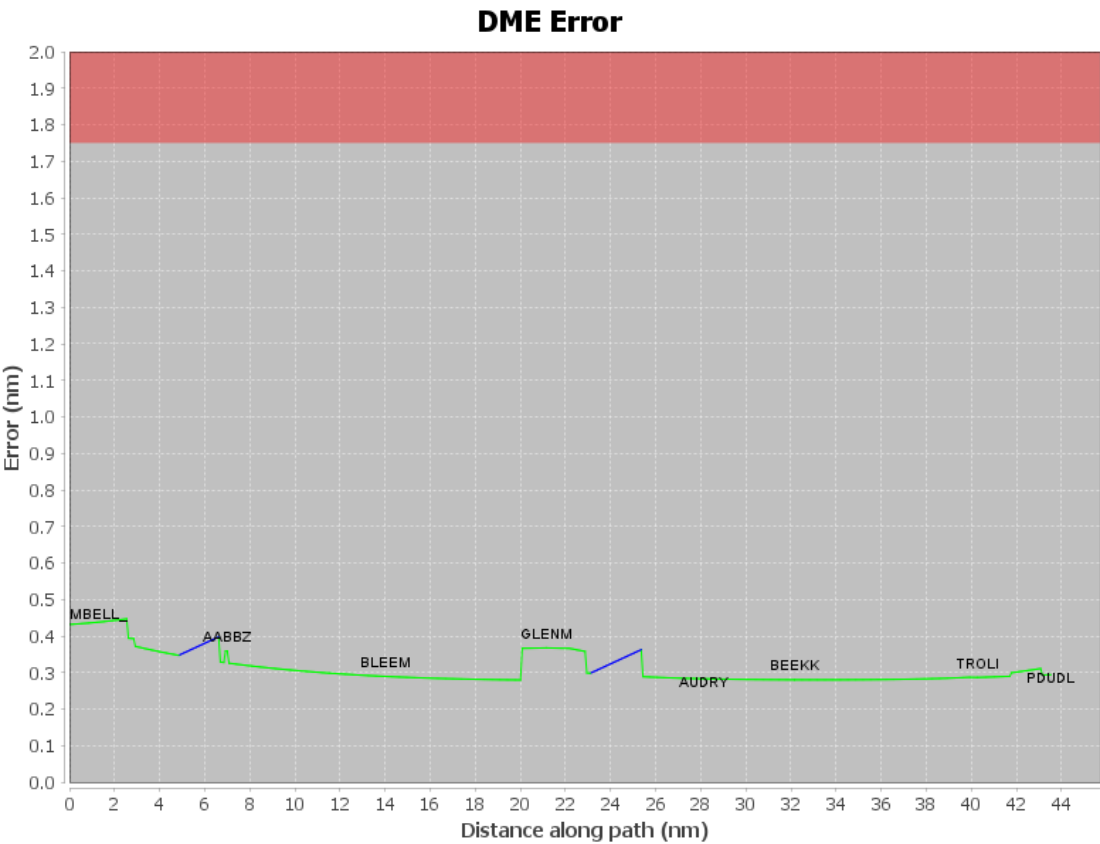
DME DME Assessment Results for MBELL5 path MBELL__PDUDL

Inertial Drift Segments			
#	Start Location	End Location	Length [NM]
1	N37° 50' 23.4976", W086° 19' 09.1538"	N37° 52' 06.6606", W086° 18' 36.9574"	1.7692
2	N38° 06' 51.5730", W086° 10' 07.4797"	N38° 08' 23.4229", W086° 08' 01.4009"	2.2556

Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
MBELL__	AABBZ	CCT, FTK, EWO	
AABBZ	BLEEM	IIU, CCT, EWO, FTK	
BLEEM	GLENM	IIU, CCT, EWO, FTK	
GLENM	AUDRY	IIU, FTK, BQM	
AUDRY	BEEKK	IIU, FTK, EWO, BQM	
BEEKK	TROLI	IIU, HYK, FTK, EWO, BQM	
TROLI	PDUDL	IIU, HYK, FTK, EWO, BQM	

DME DME Assessment Results for MBELL5 path MBELL_PDUDL

User Data Files								
#	File Name							
1	USERDM~1.udt							
User DMEs								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	LWV FAA 960497-005 LWV [IFPA]	N38° 46' 11.5255", W087° 36' 13.7792"	-0.0 E	25	429.7	null	LWV FAA 960497-005	
ESV:		Bearing [True]: 163.0° to 176.0° Bearing [Mag]: 163.0° to 176.0°				Arc Distance: Out to 63.0 NM Altitude: 9900.0 to 12500.0 ft		
2	VIH FAA 704279-030 VIH [IFPA]	N38° 09' 14.6590", W091° 42' 24.3790"	6.0 E	40	1105	117.7	VIH FAA 704279-030	
ESV:		Bearing [True]: 126.0° to 129.0° Bearing [Mag]: 120.0° to 123.0°				Arc Distance: Out to 113.0 NM Altitude: 9900.0 to 19200.0 ft		
3	FTK AR 125133-2 FTK [IFPA]	N37° 54' 25.9809", W085° 58' 21.2291"	1.0 W	25	733.8	109.6	FTK AR 125133-2	
ESV:		Bearing [True]: 350.0° to 60.0° Bearing [Mag]: 351.0° to 61.0°				Arc Distance: Out to 44.0 NM Altitude: 2300.0 to 10000.0 ft		
4	ARG FAA 698164-038 ARG [IFPA]	N36° 06' 36.0717", W090° 57' 13.2959"	4.0 E	130	265.4	114.5	ARG FAA 698164-038	
ESV:		Bearing [True]: 62.0° to 75.0° Bearing [Mag]: 58.0° to 71.0°				Arc Distance: Out to 117.0 NM Altitude: 9900.0 to 18300.0 ft		
5	MWA FAA 861441-019 MWA [IFPA]	N37° 45' 15.7642", W089° 00' 42.4918"	0.0 E	40	466.1	null	MWA FAA 861441-019	
ESV:		Bearing [True]: 70.0° to 115.0° Bearing [Mag]: 70.0° to 115.0°				Arc Distance: Out to 69.0 NM Altitude: 9900.0 to 18500.0 ft		
6	HYK FAA 680420-15 HYK [IFPA]	N37° 57' 58.8562", W084° 28' 21.0613"	0.0 E	40	1034.8	112.6	HYK FAA 680420-15	
ESV:		Bearing [True]: 243.0° to 290.0° Bearing [Mag]: 243.0° to 290.0°				Arc Distance: Out to 75.0 NM Altitude: 4500.0 to 23000.0 ft		
7	CGI FAA 784507-015 CGI [IFPA]	N37° 13' 39.1407", W089° 34' 20.6799"	0.0 E	40	334.7	null	CGI FAA 784507-015	
ESV:		Bearing [True]: 98.0° to 156.0° Bearing [Mag]: 98.0° to 156.0°				Arc Distance: Out to 50.0 NM Altitude: 9900.0 to 18400.0 ft		
8	BIB FAA 702678-012 BIB [IFPA]	N38° 55' 13.2432", W088° 28' 54.4967"	3.0 E	40	534.6	109.0	BIB FAA 702678-012	
ESV:		Bearing [True]: 205.0° to 219.0° Bearing [Mag]: 202.0° to 216.0°				Arc Distance: Out to 50.0 NM Altitude: 9900.0 to 18600.0 ft		
9	CCT FAA 703978-15 CCT [IFPA]	N37° 22' 56.7182", W087° 15' 49.3325"	0.0 E	40	452.2	null	CCT FAA 703978-15	
ESV:		Bearing [True]: 40.0° to 60.0° Bearing [Mag]: 40.0° to 60.0°				Arc Distance: Out to 65.0 NM Altitude: 6000.0 to 16000.0 ft		
10	VNN FAA 840202-002 VNN [IFPA]	N38° 21' 43.0336", W088° 48' 26.4131"	0.0 E	40	557.5	null	VNN FAA 840202-002	
ESV:		Bearing [True]: 119.0° to 178.0° Bearing [Mag]: 119.0° to 178.0°				Arc Distance: Out to 80.0 NM Altitude: 9900.0 to 18600.0 ft		
11	EWO FAA 200445-11 EWO [IFPA]	N37° 37' 54.5210", W085° 40' 33.1590"	1.0 E	40	960	113.95	EWO FAA 200445-11	
ESV:		Bearing [True]: 328.0° to 355.0° Bearing [Mag]: 327.0° to 354.0°				Arc Distance: Out to 45.0 NM Altitude: 3500.0 to 16000.0 ft		



DME DME Assessment Results for MBELL5 path MOOCH_PENBE

Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Jose G-CTR Medina
Project File:	C:\Users\Jose G-CTR Medina\OneDrive - Federal Aviation Administration\Documents\01. Projects\DME EVALUATIONS\KSDF\SDF DME Files\DME SCREENS\KSDF MBELL RNAV STAR DME\KSDF MBELL STAR DME SCREEN_20231031.tgs
Output File:	C:\Users\Jose G-CTR Medina\OneDrive - Federal Aviation Administration\Documents\01. Projects\DME EVALUATIONS\KSDF\SDF DME Files\DME SCREENS\KSDF MBELL RNAV STAR DME\KSDF [IFPA] MBELL5 20240228_1350 CST\MOOCH_PENBE\KSDF MBELL5 RNAV STAR MOOCH PENBE 20240228_1350 CST.pdf
Procedure Name:	MBELL5
Software: DmeDmePlugin:	7.2.1
Date/Time:	02/28/2024 13:50 CST
Databases:	DTED LEVEL 0 MAX

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
MOOCH	WP	N37° 01' 36.0118", W089° 55' 09.2748"	10000	VNAV	280	FLY_BY	TF
PENBE	WP	N37° 39' 15.5100", W088° 09' 31.4200"	10000	VNAV	280	FLY_BY	TF

Flyability

Flight Type:	RNAV_STAR
Selected Airport:	KSDF [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 MBELL5 path MOOCH_PENBE

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	CGI	N37° 13' 39.1407", W089° 34' 20.6799"	0.0 E	40	L	IFPA	NO	Enabled	53.3 %	53.3 %
2	PXV	N37° 55' 41.9514", W087° 45' 44.5675"	3.0 E	130	H	IFPA	NO	Enabled	16.4 %	16.4 %
3	CNG	N37° 00' 30.9934", W088° 50' 12.8860"	3.0 E	40	L	IFPA	NO	Enabled	66 %	66 %
4	VIH	N38° 09' 14.6590", W091° 42' 24.3790"	6.0 E	40	L	IFPA	NO	Enabled	1.9 %	1.9 %
5	MWA	N37° 45' 15.7642", W089° 00' 42.4918"	0.0 E	40	L	IFPA	NO	Enabled	70.7 %	70.7 %
6	VNN	N38° 21' 43.0336", W088° 48' 26.4131"	0.0 E	40	L	IFPA	NO	Enabled	31.8 %	31.8 %
7	CSX	N38° 45' 09.8799", W090° 21' 39.4546"	0.0 E	130	DL	IFPA	NO	Enabled	52.8 %	52.8 %

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	VIH	CGI	CSX			
1.8	CSX	CGI				
14.5						
16.8	CNG	CGI	CSX			
17.2	CNG	CSX				
24.9	CSX	CGI	CNG			
27.0	CNG	MWA	CGI	CSX		
49.6	CNG	CGI	MWA			
57.6	MWA	CGI	CNG	CSX		
59.2	MWA	CGI	CNG			
59.5	CNG	MWA				
62.9	CNG	MWA	VNN			
77.1	CNG	MWA	VNN	PXV		
77.8	VNN	PXV	MWA			

DME DME Assessment Results for MBELL5 path MOOCH_PENBE

Inertial Drift Segments

#	Start Location	End Location	Length [NM]
1	N37° 07' 38.2201", W089° 38' 37.8113"	N37° 08' 34.1844", W089° 36' 03.8202"	2.2538

Available DMEs by Waypoints

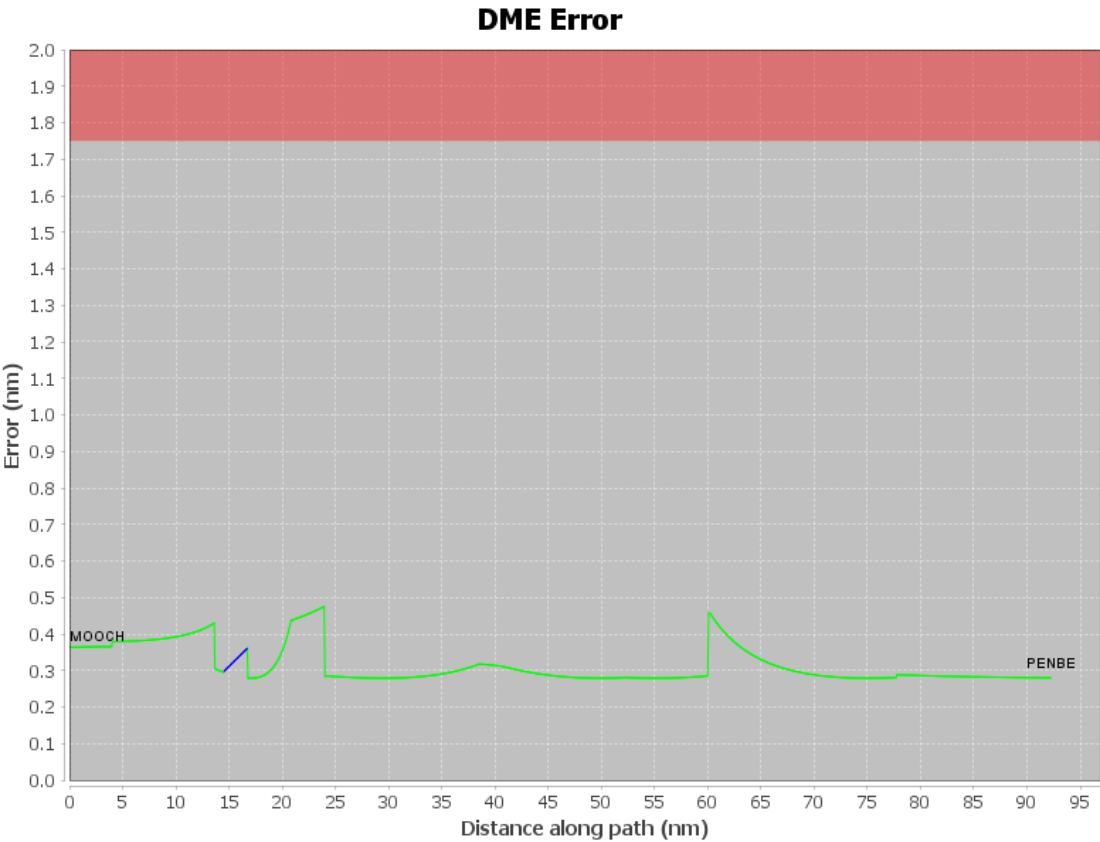
Waypoint Before	Waypoint After	DME List	Suggested DMEs
MOOCH	PENBE	CGI, VIH, MWA, VNN, CSX, CNG, PXV	

User Data Files

#	File Name
1	USERDM~1.udt

User DMEs

#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	LWV FAA 960497-005 LWV [IFPA]	N38° 46' 11.5255", W087° 36' 13.7792"	-0.0 E	25	429.7	null	LWV FAA 960497-005	
ESV:		Bearing [True]: 163.0° to 176.0° Bearing [Mag]: 163.0° to 176.0°				Arc Distance: Out to 63.0 NM Altitude: 9900.0 to 12500.0 ft		
2	VIH FAA 704279-030 VIH [IFPA]	N38° 09' 14.6590", W091° 42' 24.3790"	6.0 E	40	1105	117.7	VIH FAA 704279-030	
ESV:		Bearing [True]: 126.0° to 129.0° Bearing [Mag]: 120.0° to 123.0°				Arc Distance: Out to 113.0 NM Altitude: 9900.0 to 19200.0 ft		
3	FTK AR 125133-2 FTK [IFPA]	N37° 54' 25.9809", W085° 58' 21.2291"	1.0 W	25	733.8	109.6	FTK AR 125133-2	
ESV:		Bearing [True]: 350.0° to 60.0° Bearing [Mag]: 351.0° to 61.0°				Arc Distance: Out to 44.0 NM Altitude: 2300.0 to 10000.0 ft		
4	ARG FAA 698164-038 ARG [IFPA]	N36° 06' 36.0717", W090° 57' 13.2959"	4.0 E	130	265.4	114.5	ARG FAA 698164-038	
ESV:		Bearing [True]: 62.0° to 75.0° Bearing [Mag]: 58.0° to 71.0°				Arc Distance: Out to 117.0 NM Altitude: 9900.0 to 18300.0 ft		
5	MWA FAA 861441-019 MWA [IFPA]	N37° 45' 15.7642", W089° 00' 42.4918"	0.0 E	40	466.1	null	MWA FAA 861441-019	
ESV:		Bearing [True]: 70.0° to 115.0° Bearing [Mag]: 70.0° to 115.0°				Arc Distance: Out to 69.0 NM Altitude: 9900.0 to 18500.0 ft		
6	HYK FAA 680420-15 HYK [IFPA]	N37° 57' 58.8562", W084° 28' 21.0613"	0.0 E	40	1034.8	112.6	HYK FAA 680420-15	
ESV:		Bearing [True]: 243.0° to 290.0° Bearing [Mag]: 243.0° to 290.0°				Arc Distance: Out to 75.0 NM Altitude: 4500.0 to 23000.0 ft		
7	CGI FAA 784507-015 CGI [IFPA]	N37° 13' 39.1407", W089° 34' 20.6799"	0.0 E	40	334.7	null	CGI FAA 784507-015	
ESV:		Bearing [True]: 98.0° to 156.0° Bearing [Mag]: 98.0° to 156.0°				Arc Distance: Out to 50.0 NM Altitude: 9900.0 to 18400.0 ft		
8	BIB FAA 702678-012 BIB [IFPA]	N38° 55' 13.2432", W088° 28' 54.4967"	3.0 E	40	534.6	109.0	BIB FAA 702678-012	
ESV:		Bearing [True]: 205.0° to 219.0° Bearing [Mag]: 202.0° to 216.0°				Arc Distance: Out to 50.0 NM Altitude: 9900.0 to 18600.0 ft		
9	CCT FAA 703978-15 CCT [IFPA]	N37° 22' 56.7182", W087° 15' 49.3325"	0.0 E	40	452.2	null	CCT FAA 703978-15	
ESV:		Bearing [True]: 40.0° to 60.0° Bearing [Mag]: 40.0° to 60.0°				Arc Distance: Out to 65.0 NM Altitude: 6000.0 to 16000.0 ft		
10	VNN FAA 840202-002 VNN [IFPA]	N38° 21' 43.0336", W088° 48' 26.4131"	0.0 E	40	557.5	null	VNN FAA 840202-002	
ESV:		Bearing [True]: 119.0° to 178.0° Bearing [Mag]: 119.0° to 178.0°				Arc Distance: Out to 80.0 NM Altitude: 9900.0 to 18600.0 ft		
11	EWO FAA 200445-11 EWO [IFPA]	N37° 37' 54.5210", W085° 40' 33.1590"	1.0 E	40	960	113.95	EWO FAA 200445-11	
ESV:		Bearing [True]: 328.0° to 355.0° Bearing [Mag]: 327.0° to 354.0°				Arc Distance: Out to 45.0 NM Altitude: 3500.0 to 16000.0 ft		



DME DME Assessment Results for MBELL5 path PRKER_MOWGN

Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Jose G-CTR Medina
Project File:	C:\Users\Jose G-CTR Medina\OneDrive - Federal Aviation Administration\Documents\01. Projects\DME EVALUATIONS\KSDF\SDF DME Files\DME SCREENS\KSDF MBELL RNAV STAR DME\KSDF MBELL STAR DME SCREEN_20231031.tgs
Output File:	C:\Users\Jose G-CTR Medina\OneDrive - Federal Aviation Administration\Documents\01. Projects\DME EVALUATIONS\KSDF\SDF DME Files\DME SCREENS\KSDF MBELL RNAV STAR DME\KSDF [IFPA] MBELL5 20240228_1350 CST\PRKER_MOWGN\KSDF MBELL5 RNAV STAR PRKER MOWGN 20240228_1350 CST.pdf
Procedure Name:	MBELL5
Software: DmeDmePlugin:	7.2.1
Date/Time:	02/28/2024 13:50 CST
Databases:	DTED LEVEL 0 MAX

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
PRKER	WP	N37° 43' 39.5228", W085° 54' 16.8846"	6000	VNAV	280	FLY_BY	TF
MOWGN	WP	N37° 42' 53.0880", W085° 44' 10.1275"	5500	VNAV	280	FLY_OVER	TF

Flyability

Flight Type:	RNAV_STAR
Selected Airport:	KSDF [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 MBELL5 path PRKER_MOWGN

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	FTK	N37° 54' 25.9809", W085° 58' 21.2291"	1.0 W	25	T	IFPA	NO	Enabled	100 %	100 %
2	IIU	N38° 06' 12.4718", W085° 34' 38.7717"	1.0 E	130	H	IFPA	NO	Enabled	100 %	100 %
3	EWO	N37° 37' 54.5210", W085° 40' 33.1590"	1.0 E	40	L	IFPA	NO	Enabled	100 %	100 %
4	HYK	N37° 57' 58.8562", W084° 28' 21.0613"	0.0 E	40	L	IFPA	NO	Enabled	100 %	100 %

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	EWO	IIU	HYK	FTK		

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

Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
PRKER	MOWGN	IIU, HYK, FTK, EWO	

DME DME Assessment Results for MBELL5 path PRKER_MOWGN

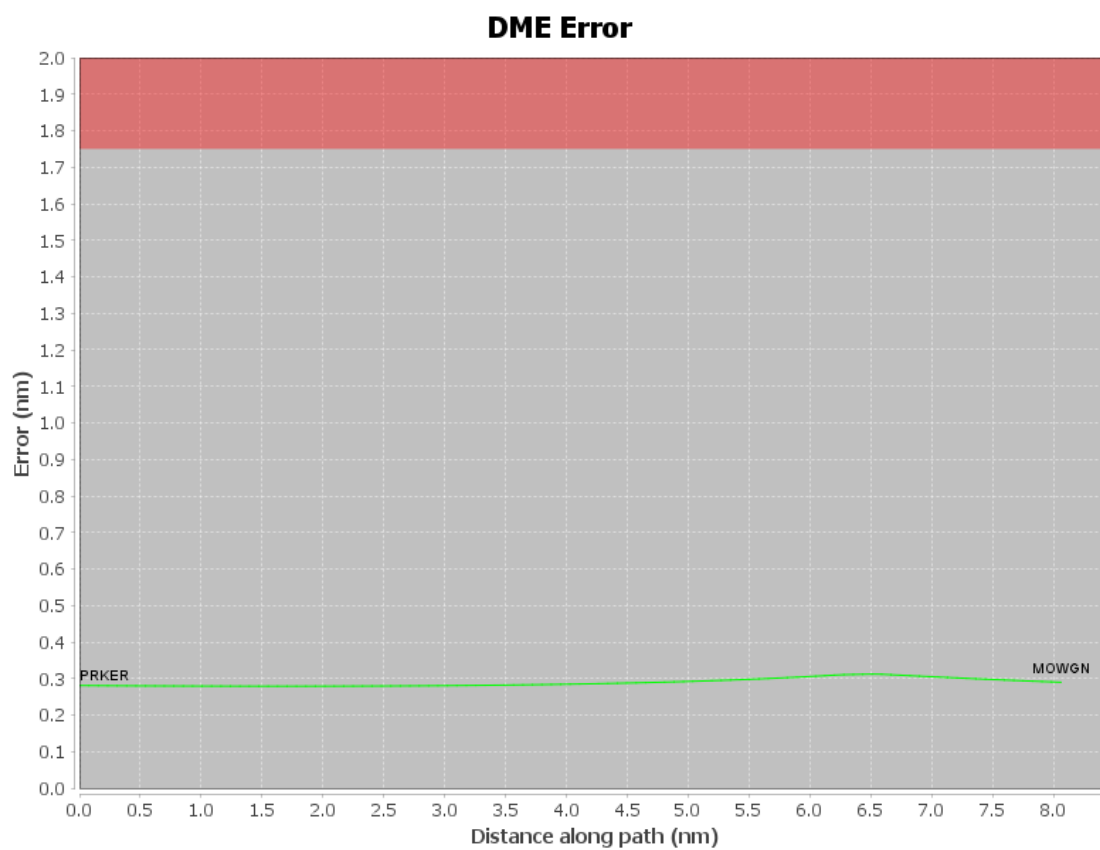
User Data Files

#	File Name
1	USERDM~1.udt

User DMEs

#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	LWV FAA 960497-005 LWV [IFPA]	N38° 46' 11.5255", W087° 36' 13.7792"	-0.0 E	25	429.7	null	LWV FAA 960497-005	
ESV:		Bearing [True]: 163.0° to 176.0° Bearing [Mag]: 163.0° to 176.0°				Arc Distance: Out to 63.0 NM Altitude: 9900.0 to 12500.0 ft		
2	VIH FAA 704279-030 VIH [IFPA]	N38° 09' 14.6590", W091° 42' 24.3790"	6.0 E	40	1105	117.7	VIH FAA 704279-030	
ESV:		Bearing [True]: 126.0° to 129.0° Bearing [Mag]: 120.0° to 123.0°				Arc Distance: Out to 113.0 NM Altitude: 9900.0 to 19200.0 ft		
3	FTK AR 125133-2 FTK [IFPA]	N37° 54' 25.9809", W085° 58' 21.2291"	1.0 W	25	733.8	109.6	FTK AR 125133-2	
ESV:		Bearing [True]: 350.0° to 60.0° Bearing [Mag]: 351.0° to 61.0°				Arc Distance: Out to 44.0 NM Altitude: 2300.0 to 10000.0 ft		
4	ARG FAA 698164-038 ARG [IFPA]	N36° 06' 36.0717", W090° 57' 13.2959"	4.0 E	130	265.4	114.5	ARG FAA 698164-038	
ESV:		Bearing [True]: 62.0° to 75.0° Bearing [Mag]: 58.0° to 71.0°				Arc Distance: Out to 117.0 NM Altitude: 9900.0 to 18300.0 ft		
5	MWA FAA 861441-019 MWA [IFPA]	N37° 45' 15.7642", W089° 00' 42.4918"	0.0 E	40	466.1	null	MWA FAA 861441-019	
ESV:		Bearing [True]: 70.0° to 115.0° Bearing [Mag]: 70.0° to 115.0°				Arc Distance: Out to 69.0 NM Altitude: 9900.0 to 18500.0 ft		
6	HYK FAA 680420-15 HYK [IFPA]	N37° 57' 58.8562", W084° 28' 21.0613"	0.0 E	40	1034.8	112.6	HYK FAA 680420-15	
ESV:		Bearing [True]: 243.0° to 290.0° Bearing [Mag]: 243.0° to 290.0°				Arc Distance: Out to 75.0 NM Altitude: 4500.0 to 23000.0 ft		
7	CGI FAA 784507-015 CGI [IFPA]	N37° 13' 39.1407", W089° 34' 20.6799"	0.0 E	40	334.7	null	CGI FAA 784507-015	
ESV:		Bearing [True]: 98.0° to 156.0° Bearing [Mag]: 98.0° to 156.0°				Arc Distance: Out to 50.0 NM Altitude: 9900.0 to 18400.0 ft		
8	BIB FAA 702678-012 BIB [IFPA]	N38° 55' 13.2432", W088° 28' 54.4967"	3.0 E	40	534.6	109.0	BIB FAA 702678-012	
ESV:		Bearing [True]: 205.0° to 219.0° Bearing [Mag]: 202.0° to 216.0°				Arc Distance: Out to 50.0 NM Altitude: 9900.0 to 18600.0 ft		
9	CCT FAA 703978-15 CCT [IFPA]	N37° 22' 56.7182", W087° 15' 49.3325"	0.0 E	40	452.2	null	CCT FAA 703978-15	
ESV:		Bearing [True]: 40.0° to 60.0° Bearing [Mag]: 40.0° to 60.0°				Arc Distance: Out to 65.0 NM Altitude: 6000.0 to 16000.0 ft		
10	VNN FAA 840202-002 VNN [IFPA]	N38° 21' 43.0336", W088° 48' 26.4131"	0.0 E	40	557.5	null	VNN FAA 840202-002	
ESV:		Bearing [True]: 119.0° to 178.0° Bearing [Mag]: 119.0° to 178.0°				Arc Distance: Out to 80.0 NM Altitude: 9900.0 to 18600.0 ft		
11	EWO FAA 200445-11 EWO [IFPA]	N37° 37' 54.5210", W085° 40' 33.1590"	1.0 E	40	960	113.95	EWO FAA 200445-11	
ESV:		Bearing [True]: 328.0° to 355.0° Bearing [Mag]: 327.0° to 354.0°				Arc Distance: Out to 45.0 NM Altitude: 3500.0 to 16000.0 ft		

DME DME Assessment Results for MBELL5 path PRKER_MOWGN



DME DME Assessment Results for MBELL5 path RNNER_MEEKO

Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Jose G-CTR Medina
Project File:	C:\Users\Jose G-CTR Medina\OneDrive - Federal Aviation Administration\Documents\01. Projects\DME EVALUATIONS\KSDF\SDF DME Files\DME SCREENS\KSDF MBELL RNAV STAR DME\KSDF MBELL STAR DME SCREEN_20231031.tgs
Output File:	C:\Users\Jose G-CTR Medina\OneDrive - Federal Aviation Administration\Documents\01. Projects\DME EVALUATIONS\KSDF\SDF DME Files\DME SCREENS\KSDF MBELL RNAV STAR DME\KSDF [IFPA] MBELL5 20240228_1350 CST\RNNER_MEEKO\KSDF MBELL5 RNAV STAR RNNER MEEKO 20240228_1350 CST.pdf
Procedure Name:	MBELL5
Software: DmeDmePlugin:	7.2.1
Date/Time:	02/28/2024 13:50 CST
Databases:	DTED LEVEL 0 MAX

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
RNNER	WP	N37° 45' 17.7306", W085° 38' 35.1198"	5000	VNAV	280	FLY_BY	TF
MEEKO	WP	N37° 50' 24.3230", W085° 36' 50.4253"	5000	VNAV	280	FLY_BY	TF

Flyability

Flight Type:	RNAV_STAR
Selected Airport:	KSDF [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 MBELL5 path RNNER_MEEKO

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	FTK	N37° 54' 25.9809", W085° 58' 21.2291"	1.0 W	25	T	IFPA	NO	Enabled	100 %	100 %
2	IIU	N38° 06' 12.4718", W085° 34' 38.7717"	1.0 E	130	H	IFPA	NO	Enabled	100 %	100 %
3	EWO	N37° 37' 54.5210", W085° 40' 33.1590"	1.0 E	40	L	IFPA	NO	Enabled	100 %	100 %
4	HYK	N37° 57' 58.8562", W084° 28' 21.0613"	0.0 E	40	L	IFPA	NO	Enabled	100 %	100 %

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	FTK	EWO	HYK	IIU		

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

Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
RNNER	MEEKO	IIU, HYK, FTK, EWO	

DME DME Assessment Results for MBELL5 path RNNER_MEEKO

User Data Files								
#	File Name							
1	USERDM~1.udt							
User DMEs								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	LWV FAA 960497-005 LWV [IFPA]	N38° 46' 11.5255", W087° 36' 13.7792"	-0.0 E	25	429.7	null	LWV FAA 960497-005	
ESV:		Bearing [True]: 163.0° to 176.0° Bearing [Mag]: 163.0° to 176.0°				Arc Distance: Out to 63.0 NM Altitude: 9900.0 to 12500.0 ft		
2	VIH FAA 704279-030 VIH [IFPA]	N38° 09' 14.6590", W091° 42' 24.3790"	6.0 E	40	1105	117.7	VIH FAA 704279-030	
ESV:		Bearing [True]: 126.0° to 129.0° Bearing [Mag]: 120.0° to 123.0°				Arc Distance: Out to 113.0 NM Altitude: 9900.0 to 19200.0 ft		
3	FTK AR 125133-2 FTK [IFPA]	N37° 54' 25.9809", W085° 58' 21.2291"	1.0 W	25	733.8	109.6	FTK AR 125133-2	
ESV:		Bearing [True]: 350.0° to 60.0° Bearing [Mag]: 351.0° to 61.0°				Arc Distance: Out to 44.0 NM Altitude: 2300.0 to 10000.0 ft		
4	ARG FAA 698164-038 ARG [IFPA]	N36° 06' 36.0717", W090° 57' 13.2959"	4.0 E	130	265.4	114.5	ARG FAA 698164-038	
ESV:		Bearing [True]: 62.0° to 75.0° Bearing [Mag]: 58.0° to 71.0°				Arc Distance: Out to 117.0 NM Altitude: 9900.0 to 18300.0 ft		
5	MWA FAA 861441-019 MWA [IFPA]	N37° 45' 15.7642", W089° 00' 42.4918"	0.0 E	40	466.1	null	MWA FAA 861441-019	
ESV:		Bearing [True]: 70.0° to 115.0° Bearing [Mag]: 70.0° to 115.0°				Arc Distance: Out to 69.0 NM Altitude: 9900.0 to 18500.0 ft		
6	HYK FAA 680420-15 HYK [IFPA]	N37° 57' 58.8562", W084° 28' 21.0613"	0.0 E	40	1034.8	112.6	HYK FAA 680420-15	
ESV:		Bearing [True]: 243.0° to 290.0° Bearing [Mag]: 243.0° to 290.0°				Arc Distance: Out to 75.0 NM Altitude: 4500.0 to 23000.0 ft		
7	CGI FAA 784507-015 CGI [IFPA]	N37° 13' 39.1407", W089° 34' 20.6799"	0.0 E	40	334.7	null	CGI FAA 784507-015	
ESV:		Bearing [True]: 98.0° to 156.0° Bearing [Mag]: 98.0° to 156.0°				Arc Distance: Out to 50.0 NM Altitude: 9900.0 to 18400.0 ft		
8	BIB FAA 702678-012 BIB [IFPA]	N38° 55' 13.2432", W088° 28' 54.4967"	3.0 E	40	534.6	109.0	BIB FAA 702678-012	
ESV:		Bearing [True]: 205.0° to 219.0° Bearing [Mag]: 202.0° to 216.0°				Arc Distance: Out to 50.0 NM Altitude: 9900.0 to 18600.0 ft		
9	CCT FAA 703978-15 CCT [IFPA]	N37° 22' 56.7182", W087° 15' 49.3325"	0.0 E	40	452.2	null	CCT FAA 703978-15	
ESV:		Bearing [True]: 40.0° to 60.0° Bearing [Mag]: 40.0° to 60.0°				Arc Distance: Out to 65.0 NM Altitude: 6000.0 to 16000.0 ft		
10	VNN FAA 840202-002 VNN [IFPA]	N38° 21' 43.0336", W088° 48' 26.4131"	0.0 E	40	557.5	null	VNN FAA 840202-002	
ESV:		Bearing [True]: 119.0° to 178.0° Bearing [Mag]: 119.0° to 178.0°				Arc Distance: Out to 80.0 NM Altitude: 9900.0 to 18600.0 ft		
11	EWO FAA 200445-11 EWO [IFPA]	N37° 37' 54.5210", W085° 40' 33.1590"	1.0 E	40	960	113.95	EWO FAA 200445-11	
ESV:		Bearing [True]: 328.0° to 355.0° Bearing [Mag]: 327.0° to 354.0°				Arc Distance: Out to 45.0 NM Altitude: 3500.0 to 16000.0 ft		

DME DME Assessment Results for MBELL5 path RNNER_MEEKO

