

DME DME Assessment Results for PINNR4 path BANNA_XBEEE

Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Theodore CTR Roller
Project File:	C:\Users\Theodore CTR Roller\Desktop\CO\APA\66403 PINNR STAR\SubPak\FPT 20251202\20251202_KAPA PINNR STAR FPT 1.0.tgs
Output File:	C:\Users\Theodore CTR Roller\Desktop\CO\APA\66403 PINNR STAR\SubPak\FPT 20251202\DME-DME\KAPA [IFPA] PINNR4 20251203_1233 MST\BANNA_XBEEE\KAPA PINNR4 RNAV STAR BANNA XBEEE 20251203_1233 MST.pdf
Procedure Name:	PINNR4
Software: DmeDmePlugin:	7.5.1
Date/Time:	12/03/2025 12:33 MST
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
BANNA	WP	N41° 07' 03.13", W106° 13' 56.27"	17000	VNAV	280	FLY_BY	TF
CHOTS_	WP	N40° 50' 56.82", W105° 38' 24.92"	17000	VNAV	270	FLY_BY	TF
FFEST	WP	N40° 43' 25.24", W105° 22' 07.68"	14000	VNAV	250	FLY_BY	TF
PINNR	WP	N40° 39' 18.00", W105° 13' 15.92"	12000	VNAV	240	FLY_BY	TF
EUROO	WP	N40° 25' 33.79", W105° 10' 38.55"	12000	VNAV	250	FLY_BY	TF
NAPPR	WP	N40° 01' 39.63", W105° 20' 02.42"	12000	VNAV	250	FLY_BY	TF
WOTTR	WP	N39° 43' 36.98", W105° 17' 43.15"	12000	VNAV	250	FLY_BY	TF
SLOPR	WP	N39° 28' 28.35", W105° 10' 04.43"	12000	VNAV	250	FLY_BY	TF
XBOXX	WP	N39° 11' 26.37", W105° 03' 25.66"	12000	VNAV	240	FLY_BY	TF
XJOIN	WP	N39° 10' 13.22", W104° 55' 52.33"	12000	VNAV	240	FLY_BY	TF
XPATH	WP	N39° 12' 21.19", W104° 50' 05.46"	10500	VNAV	240	FLY_BY	TF
XBEEE	WP	N39° 16' 40.75", W104° 50' 14.49"	9000	VNAV	240	FLY_BY	TF

DME DME Assessment Results for PINNR4 path BANNA_XBEEE

Flyability	
Flight Type:	RNAV STAR
Selected Airport:	KAPA [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 PINNR4 path BANNA_XBEEE

DME/DME (Continued)										
DMEs Used										
#	Name	Lat/Lon	MAGVAR	Range	Type	Source	Critical	Status	Time	Distance
1	LEY	N40° 13' 34.68", W104° 43' 10.50"	0.0 E	130	DH		NO	Enabled	92.8 %	93.1 %
2	MBW	N41° 50' 43.88", W106° 00' 15.42"	14.0 E	130	DH		NO	Enabled	28.7 %	30.8 %
3	DVV	N39° 53' 40.88", W104° 37' 27.61"	8.0 E	130	H		NO	Enabled	33.1 %	32.5 %
4	GLL	N40° 30' 13.92", W104° 33' 10.85"	13.0 E	130	DH		NO	Enabled	89.1 %	89.6 %
5	RLG	N40° 00' 09.50", W106° 26' 32.96"	14.0 E	130	DH		NO	Enabled	20 %	21.8 %
6	DEN	N39° 48' 45.05", W104° 39' 38.66"	8.0 E	130	H		NO	Enabled	35.7 %	35 %
7	EKR	N40° 04' 02.79", W107° 55' 29.82"	9.0 E	130	DH		NO	Enabled	0.9 %	1 %
8	IIP	N42° 40' 33.97", W105° 13' 34.41"	12.0 E	130	DH		NO	Enabled	6.5 %	7.1 %
9	BJC	N39° 54' 46.94", W105° 08' 20.35"	11.0 E	130	DH		NO	Enabled	88 %	87.2 %
10	FQF	N39° 41' 24.50", W104° 37' 15.50"	11.0 E	130	H		NO	Enabled	39.4 %	38.3 %
11	BRK	N38° 56' 40.24", W104° 38' 00.48"	8.0 E	130	DH		NO	Enabled	10.9 %	10.4 %
12	LAR	N41° 20' 16.15", W105° 43' 15.36"	14.0 E	40	L		NO	Enabled	27.4 %	29.4 %
13	CYS	N41° 12' 39.48", W104° 46' 22.49"	13.0 E	130	H		NO	Enabled	9 %	9.1 %
14	SNY	N41° 05' 48.06", W102° 58' 58.77"	13.0 E	130	DH		NO	Enabled	5.1 %	5.5 %

DME DME Assessment Results for PINNR4 path BANNA_XBEEE

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	GLL	MBW	RLG	LEY	LAR	
31.3	GLL	LAR	MBW	SNY	BJC	LEY
33.8	LEY	RLG	GLL	BJC	LAR	MBW
37.0	CYS	LEY	BJC	MBW	LAR	GLL
42.4	CYS	LEY	MBW	GLL	BJC	
44.8	GLL	BJC	MBW	LEY		
49.5	CYS	LEY	GLL	LAR	BJC	
52.9	GLL	BJC	LEY			
53.8	CYS	GLL	LEY	BJC	LAR	
55.3	GLL	BJC	LEY			
74.7	CYS	LEY	GLL	BJC		
77.0	GLL	BJC	LEY	DVV		
81.7	GLL	BJC	LEY	DEN	DVV	
85.0	GLL	BJC	LEY	DEN		
85.1	GLL	BJC	LEY	DEN	DVV	
86.3	GLL	BJC	LEY	DVV		
86.4	GLL	BJC	LEY	DEN	DVV	
101.4	GLL	FQF	LEY	DEN	DVV	
105.4	LEY	FQF	BJC	DEN	DVV	
128.8	FQF	BJC	DEN	LEY	GLL	
132.6	FQF	BJC	DEN	LEY		
133.4	FQF	BJC	DEN			
137.8	FQF	BJC				
139.7	FQF	BRK	LEY	GLL	BJC	
148.9	FQF	BRK	GLL	BJC		
149.1	FQF	BRK	LEY	GLL	BJC	
149.2	FQF	BRK	GLL	BJC		
149.4	FQF	BRK	LEY	BJC		
150.2	FQF	BRK	LEY	GLL	BJC	
152.0	FQF	BRK	LEY	BJC		
152.1	FQF	BRK	LEY	GLL	BJC	
152.2	FQF	BRK	LEY	BJC		
153.7	LEY	BRK				
154.1	FQF	BRK	LEY	BJC		
155.7	FQF	BRK	BJC			
156.2	FQF	BRK	DEN	BJC	GLL	LEY
156.4	FQF	BJC				
157.8						
158.4	DEN	BJC				
158.5						
159.7	DVV	BJC				

Inertial Drift Segments			
#	Start Location	End Location	Length [NM]
1	N39° 14' 28.97", W104° 50' 09.90"	N39° 15' 04.91", W104° 50' 11.15"	0.5987
2	N39° 15' 08.91", W104° 50' 11.29"	N39° 16' 24.78", W104° 50' 13.93"	1.2638

DME DME Assessment Results for PINNR4 path BANNA_XBEEE

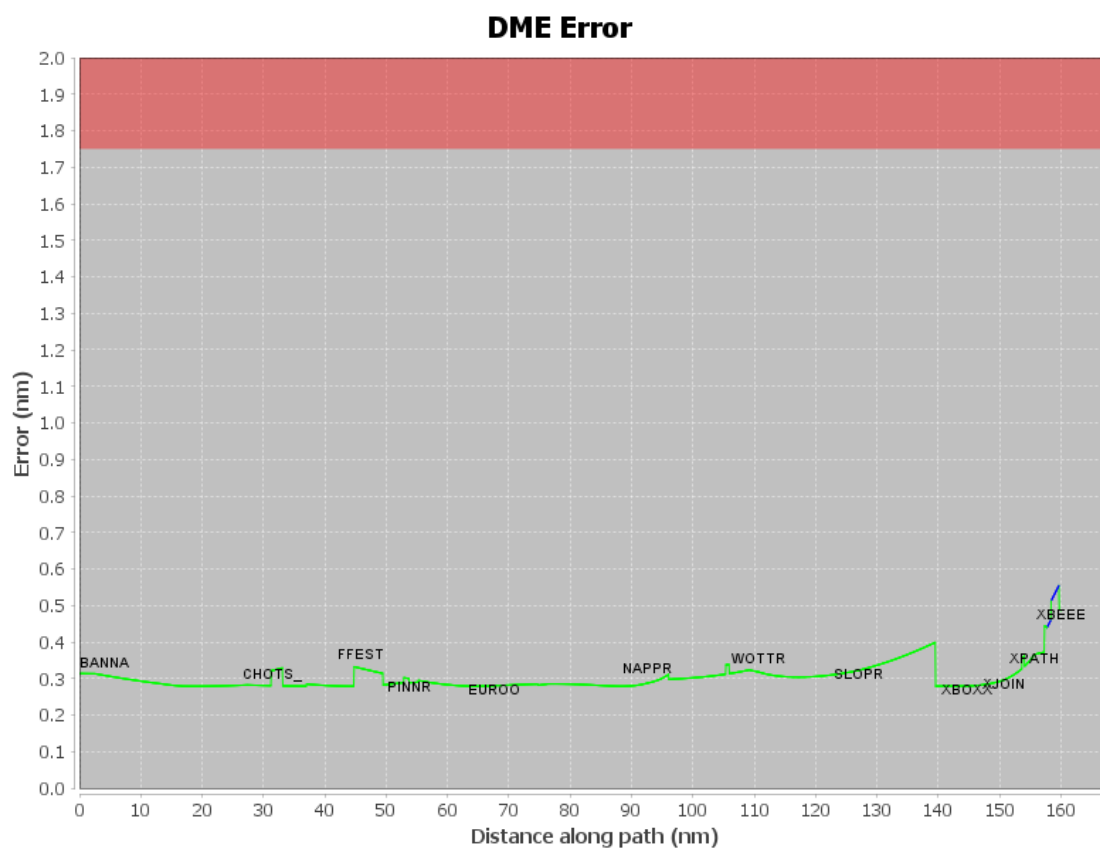
Available DMEs by Waypoints

Waypoint Before	Waypoint After	DME List	Suggested DMEs
BANNA	CHOTS_	LEY, IIP, MBW, GLL, BJC, RLG, LAR, EKR, SNY	
CHOTS_	FFEST	LEY, IIP, MBW, GLL, BJC, LAR, RLG, CYS, SNY	
FFEST	PINNR	LEY, MBW, GLL, BJC, CYS, LAR	
PINNR	EUROO	LEY, GLL, BJC, CYS, LAR	
EUROO	NAPPR	LEY, DVV, GLL, BJC, CYS, DEN	
NAPPR	WOTTR	LEY, DVV, GLL, BJC, FQF, DEN	
WOTTR	SLOPR	LEY, DVV, GLL, FQF, BJC, DEN	
SLOPR	XBOXX	LEY, DVV, GLL, FQF, BJC, BRK, DEN	
XBOXX	XJOIN	LEY, GLL, BRK, FQF, BJC	
XJOIN	XPATH	LEY, GLL, BRK, FQF, BJC	
XPATH	XBEEE	LEY, DVV, GLL, FQF, BJC, BRK, DEN	

User Data Files

#	File Name							
None								
User DMEs								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	CYS FAA 704129-14 CYS	N41° 12' 39.48", W104° 46' 22.49"	13.0 E	130	6211	113.1	CYS FAA 704129-14	
ESV:		Bearing [True]: 196.0° to 284.0° Bearing [Mag]: 183.0° to 271.0°				Arc Distance: Out to 65.0 NM Altitude: 11000.0 to 20800.0 ft		
2	LAR FAA 704277-17 LAR	N41° 20' 16.15", W105° 43' 15.36"	14.0 E	40	7299.4	117.6	LAR FAA 704277-17	
ESV:		Bearing [True]: 144.0° to 159.0° Bearing [Mag]: 130.0° to 145.0°				Arc Distance: Out to 56.0 NM Altitude: 10000.0 to 16000.0 ft		

DME DME Assessment Results for PINNR4 path BANNA_XBEEE



DME DME Assessment Results for PINNR4 path ESTES_FFEST

Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Theodore CTR Roller
Project File:	C:\Users\Theodore CTR Roller\Desktop\CO\APA\66403 PINNR STAR\SubPak\FPT 20251202\20251202_KAPA PINNR STAR FPT 1.0.tgs
Output File:	C:\Users\Theodore CTR Roller\Desktop\CO\APA\66403 PINNR STAR\SubPak\FPT 20251202\DME-DME\KAPA [IFPA] PINNR4 20251203_1233 MST\ESTES_FFEST\KAPA PINNR4 RNAV STAR ESTES FFEST 20251203_1233 MST.pdf
Procedure Name:	PINNR4
Software: DmeDmePlugin:	7.5.1
Date/Time:	12/03/2025 12:33 MST
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
ESTES	WP	N40° 38' 13.08", W105° 36' 22.17"	14300	VNAV	250	FLY_BY	TF
HUBIE	WP	N40° 41' 38.68", W105° 27' 00.16"	14300	VNAV	250	FLY_BY	TF
FFEST	WP	N40° 43' 25.24", W105° 22' 07.68"	14000	VNAV	250	FLY_BY	TF

Flyability

Flight Type:	RNAV_STAR
Selected Airport:	KAPA [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 PINNR4 path ESTES_FFEST

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	LEY	N40° 13' 34.68", W104° 43' 10.50"	0.0 E	130	DH		NO	Enabled	100 %	100 %
2	MBW	N41° 50' 43.88", W106° 00' 15.42"	14.0 E	130	DH		NO	Enabled	100 %	100 %
3	GLL	N40° 30' 13.92", W104° 33' 10.85"	13.0 E	130	DH		NO	Enabled	100 %	100 %
4	BJC	N39° 54' 46.94", W105° 08' 20.35"	11.0 E	130	DH		NO	Enabled	100 %	100 %
5	RLG	N40° 00' 09.50", W106° 26' 32.96"	14.0 E	130	DH		NO	Enabled	1.7 %	1.7 %
6	CYS	N41° 12' 39.48", W104° 46' 22.49"	13.0 E	130	H		NO	Enabled	2.3 %	2.3 %
7	LAR	N41° 20' 16.15", W105° 43' 15.36"	14.0 E	40	L		NO	Enabled	2.3 %	2.3 %

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	GLL	MBW	BJC	LEY		
2.2	LEY	RLG	BJC	GLL	MBW	
2.2	GLL	MBW	BJC	LEY		
2.4	LEY	RLG	BJC	GLL	MBW	
2.6	GLL	MBW	BJC	LEY		
11.7	CYS	LEY	GLL	LAR	MBW	BJC

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

Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
ESTES	HUBIE	LEY, MBW, GLL, BJC, RLG	
HUBIE	FFEST	LEY, MBW, GLL, BJC, CYS, LAR	

DME DME Assessment Results for PINNR4 path ESTES_FFEST

User Data Files

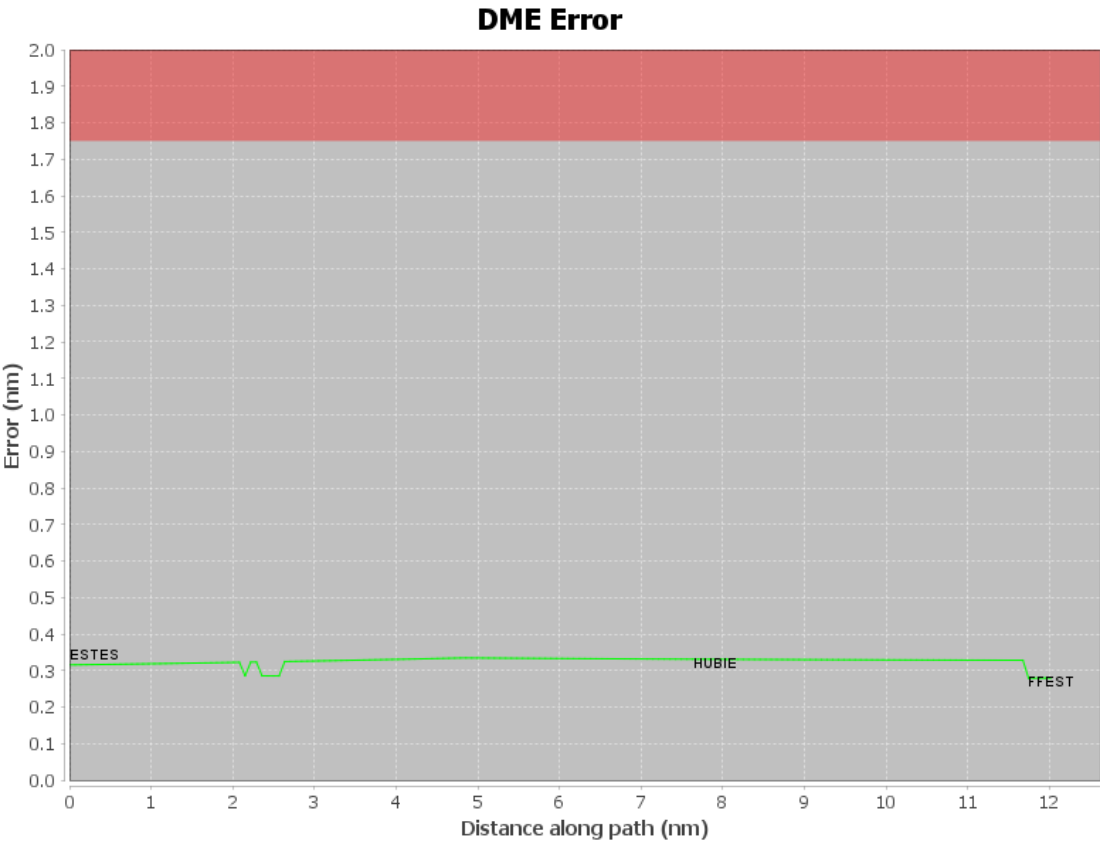
File Name

None

User DMEs

#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	CYS FAA 704129-14 CYS	N41° 12' 39.48", W104° 46' 22.49"	13.0 E	130	6211	113.1	CYS FAA 704129-14	
ESV:		Bearing [True]: 196.0° to 284.0° Bearing [Mag]: 183.0° to 271.0°				Arc Distance: Out to 65.0 NM Altitude: 11000.0 to 20800.0 ft		
2	LAR FAA 704277-17 LAR	N41° 20' 16.15", W105° 43' 15.36"	14.0 E	40	7299.4	117.6	LAR FAA 704277-17	
ESV:		Bearing [True]: 144.0° to 159.0° Bearing [Mag]: 130.0° to 145.0°				Arc Distance: Out to 56.0 NM Altitude: 10000.0 to 16000.0 ft		

DME DME Assessment Results for PINNR4 path ESTES_FFEST



DME DME Assessment Results for PINNR4 path PINNR_HBALL

Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Theodore CTR Roller
Project File:	C:\Users\Theodore CTR Roller\Desktop\CO\APA\66403 PINNR STAR\SubPak\FPT 20251202\20251202_KAPA PINNR STAR FPT 1.0.tgs
Output File:	C:\Users\Theodore CTR Roller\Desktop\CO\APA\66403 PINNR STAR\SubPak\FPT 20251202\DME-DME\KAPA [IFPA] PINNR4 20251203_1233 MST\PINNR_HBALL\KAPA PINNR4 RNAV STAR PINNR HBALL 20251203_1233 MST.pdf
Procedure Name:	PINNR4
Software: DmeDmePlugin:	7.5.1
Date/Time:	12/03/2025 12:33 MST
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
PINNR	WP	N40° 39' 18.00", W105° 13' 15.92"	12000	VNAV	240	FLY_BY	TF
MAUDI	WP	N40° 37' 12.71", W105° 08' 46.97"	11000	VNAV	200	FLY_BY	TF
TINGE	WP	N40° 33' 52.10", W105° 01' 37.69"	10000	VNAV	200	FLY_BY	TF
WHOOA	WP	N40° 26' 31.10", W105° 01' 35.18"	10000	VNAV	250	FLY_BY	TF
TUBBR	WP	N40° 18' 29.03", W105° 01' 30.92"	10000	VNAV	250	FLY_BY	TF
REDZN	WP	N40° 13' 26.13", W105° 01' 28.25"	10000	VNAV	200	FLY_BY	TF
HBALL	WP	N40° 08' 27.12", W105° 02' 03.34"	9000	VNAV	200	FLY_OVER	TF

Flyability

Flight Type:	RNAV_STAR
Selected Airport:	KAPA [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 PINNR4 path PINNR_HBALL

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	LEY	N40° 13' 34.68", W104° 43' 10.50"	0.0 E	130	DH		NO	Enabled	100 %	100 %
2	DVV	N39° 53' 40.88", W104° 37' 27.61"	8.0 E	130	H		NO	Enabled	44.5 %	47.6 %
3	GLL	N40° 30' 13.92", W104° 33' 10.85"	13.0 E	130	DH		NO	Enabled	99.5 %	99.5 %
4	BJC	N39° 54' 46.94", W105° 08' 20.35"	11.0 E	130	DH		NO	Enabled	100 %	100 %
5	FQF	N39° 41' 24.50", W104° 37' 15.50"	11.0 E	130	H		NO	Enabled	17.9 %	16.7 %
6	DEN	N39° 48' 45.05", W104° 39' 38.66"	8.0 E	130	H		NO	Enabled	39 %	40.5 %

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	GLL	BJC	LEY			
17.5	GLL	BJC	DVV	LEY		
21.3	GLL	DEN	DVV	LEY	BJC	
33.3	GLL	DEN	FQF	LEY	BJC	
33.5	LEY	FQF	DEN	BJC		
33.6	GLL	DEN	FQF	LEY	BJC	

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

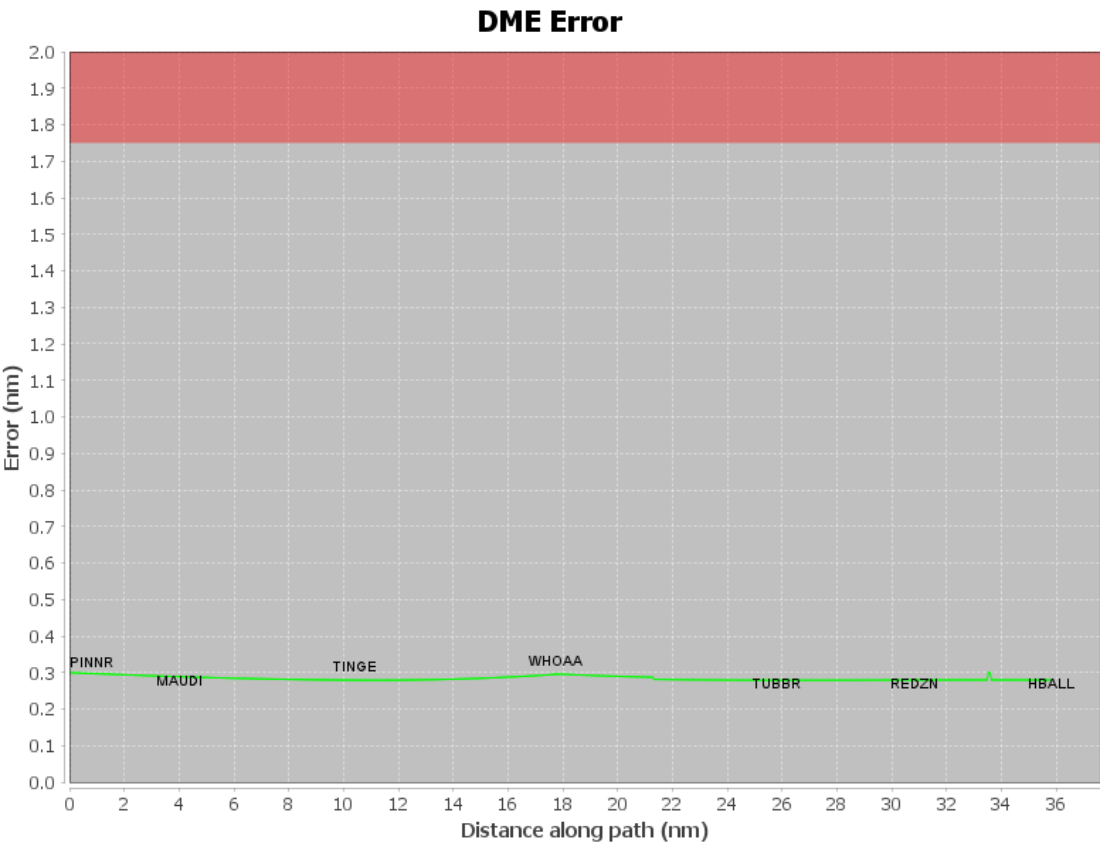
DME DME Assessment Results for PINNR4 path PINNR_HBALL

Available DMEs by Waypoints

Waypoint Before	Waypoint After	DME List	Suggested DMEs
PINNR	MAUDI	LEY, GLL, BJC	
MAUDI	TINGE	LEY, GLL, BJC	
TINGE	WHOOA	LEY, DVV, GLL, BJC	
WHOOA	TUBBR	LEY, DVV, GLL, BJC, DEN	
TUBBR	REDZN	LEY, DVV, GLL, BJC, FQF, DEN	
REDZN	HBALL	LEY, DVV, GLL, FQF, BJC, DEN	

User Data Files

#	File Name							
None								
User DMEs								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	CYS FAA 704129-14 CYS	N41° 12' 39.48", W104° 46' 22.49"	13.0 E	130	6211	113.1	CYS FAA 704129-14	
ESV:		Bearing [True]: 196.0° to 284.0° Bearing [Mag]: 183.0° to 271.0°				Arc Distance: Out to 65.0 NM Altitude: 11000.0 to 20800.0 ft		
2	LAR FAA 704277-17 LAR	N41° 20' 16.15", W105° 43' 15.36"	14.0 E	40	7299.4	117.6	LAR FAA 704277-17	
ESV:		Bearing [True]: 144.0° to 159.0° Bearing [Mag]: 130.0° to 145.0°				Arc Distance: Out to 56.0 NM Altitude: 10000.0 to 16000.0 ft		



DME DME Assessment Results for PINNR4 path REDZN_PYDRT

Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Theodore CTR Roller
Project File:	C:\Users\Theodore CTR Roller\Desktop\CO\APA\66403 PINNR STAR\SubPak\FPT 20251202\20251202 KAPA PINNR STAR FPT 1.0.tgs
Output File:	C:\Users\Theodore CTR Roller\Desktop\CO\APA\66403 PINNR STAR\SubPak\FPT 20251202\DME-DME\KAPA [IFPA] PINNR4 20251203_1233 MST\REDZN_PYDRT\KAPA PINNR4 RNAV STAR REDZN PYDRT 20251203_1233 MST.pdf
Procedure Name:	PINNR4
Software: DmeDmePlugin:	7.5.1
Date/Time:	12/03/2025 12:33 MST
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
REDZN	WP	N40° 13' 26.13", W105° 01' 28.25"	10000	VNAV	200	FLY_BY	TF
PYDRT	WP	N40° 08' 07.62", W105° 02' 05.63"	9000	VNAV	200	FLY_BY	TF

Flyability

Flight Type:	RNAV STAR
Selected Airport:	KAPA [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 PINNR4 path REDZN_PYDRT

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	LEY	N40° 13' 34.68", W104° 43' 10.50"	0.0 E	130	DH		NO	Enabled	100 %	100 %
2	DVV	N39° 53' 40.88", W104° 37' 27.61"	8.0 E	130	H		NO	Enabled	72.9 %	72.9 %
3	GLL	N40° 30' 13.92", W104° 33' 10.85"	13.0 E	130	DH		NO	Enabled	96.9 %	96.9 %
4	FQF	N39° 41' 24.50", W104° 37' 15.50"	11.0 E	130	H		NO	Enabled	100 %	100 %
5	BJC	N39° 54' 46.94", W105° 08' 20.35"	11.0 E	130	DH		NO	Enabled	100 %	100 %
6	DEN	N39° 48' 45.05", W104° 39' 38.66"	8.0 E	130	H		NO	Enabled	100 %	100 %

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	GLL	DEN	DVV	FQF	LEY	BJC
2.4	GLL	DEN	FQF	LEY	BJC	
2.7	LEY	FQF	DEN	BJC		
2.8	GLL	DEN	FQF	LEY	BJC	

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

Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
REDZN	PYDRT	LEY, DVV, GLL, FQF, BJC, DEN	

DME DME Assessment Results for PINNR4 path REDZN_PYDRT

User Data Files

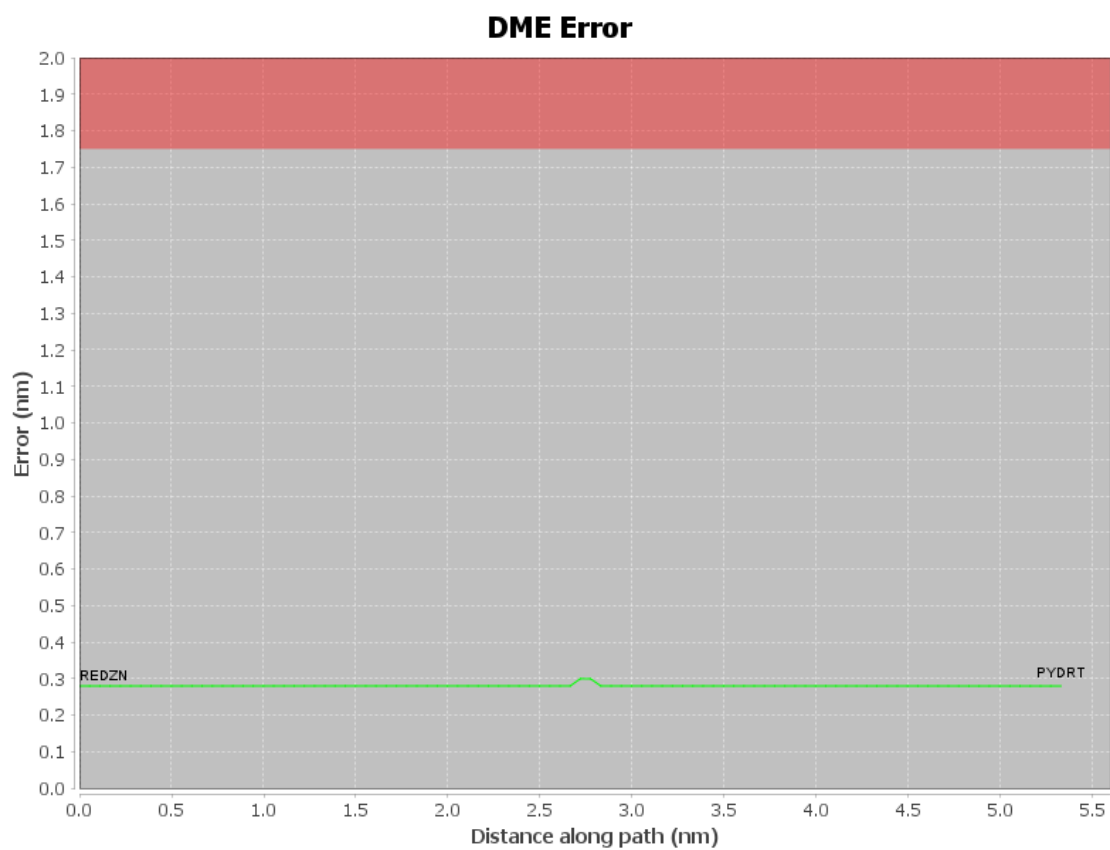
File Name

None

User DMEs

#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	CYS FAA 704129-14 CYS	N41° 12' 39.48", W104° 46' 22.49"	13.0 E	130	6211	113.1	CYS FAA 704129-14	
ESV:		Bearing [True]: 196.0° to 284.0° Bearing [Mag]: 183.0° to 271.0°				Arc Distance: Out to 65.0 NM Altitude: 11000.0 to 20800.0 ft		
2	LAR FAA 704277-17 LAR	N41° 20' 16.15", W105° 43' 15.36"	14.0 E	40	7299.4	117.6	LAR FAA 704277-17	
ESV:		Bearing [True]: 144.0° to 159.0° Bearing [Mag]: 130.0° to 145.0°				Arc Distance: Out to 56.0 NM Altitude: 10000.0 to 16000.0 ft		

DME DME Assessment Results for PINNR4 path REDZN_PYDRT



DME DME Assessment Results for PINNR4 path SLOPR_NSYNC

Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Theodore CTR Roller
Project File:	C:\Users\Theodore CTR Roller\Desktop\CO\APA\66403 PINNR STAR\SubPak\FPT 20251202\20251202_KAPA PINNR STAR FPT 1.0.tgs
Output File:	C:\Users\Theodore CTR Roller\Desktop\CO\APA\66403 PINNR STAR\SubPak\FPT 20251202\DME-DME\KAPA [IFPA] PINNR4 20251203_1233 MST\SLOPR_NSYNC\KAPA PINNR4 RNAV STAR SLOPR NSYNC 20251203_1233 MST.pdf
Procedure Name:	PINNR4
Software: DmeDmePlugin:	7.5.1
Date/Time:	12/03/2025 12:33 MST
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
SLOPR	WP	N39° 28' 28.35", W105° 10' 04.43"	12000	VNAV	250	FLY_BY	TF
DEETU	WP	N39° 22' 07.37", W105° 03' 08.90"	11000	VNAV	210	FLY_BY	TF
XHOME	WP	N39° 22' 22.42", W104° 56' 41.38"	11000	VNAV	210	FLY_BY	TF
NSYNC	WP	N39° 30' 24.66", W104° 57' 03.12"	10000	VNAV	210	FLY_BY	TF

Flyability

Flight Type:	RNAV_STAR
Selected Airport:	KAPA [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 PINNR4 path SLOPR_NSYNC

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	LEY	N40° 13' 34.68", W104° 43' 10.50"	0.0 E	130	DH		NO	Enabled	41 %	42.7 %
2	DVV	N39° 53' 40.88", W104° 37' 27.61"	8.0 E	130	H		NO	Enabled	73.6 %	71.6 %
3	GLL	N40° 30' 13.92", W104° 33' 10.85"	13.0 E	130	DH		NO	Enabled	23.2 %	25.5 %
4	FQF	N39° 41' 24.50", W104° 37' 15.50"	11.0 E	130	H		NO	Enabled	100 %	100 %
5	BJC	N39° 54' 46.94", W105° 08' 20.35"	11.0 E	130	DH		NO	Enabled	100 %	100 %
6	DEN	N39° 48' 45.05", W104° 39' 38.66"	8.0 E	130	H		NO	Enabled	100 %	100 %

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	FQF	BJC	DEN	DVV	GLL	LEY
3.5	FQF	BJC	DEN	LEY	GLL	
5.1	FQF	BJC	DEN	LEY		
5.8	FQF	BJC	DEN			
9.5	FQF	BJC	DEN	DVV		
18.0	FQF	BJC	DEN	DVV	LEY	

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

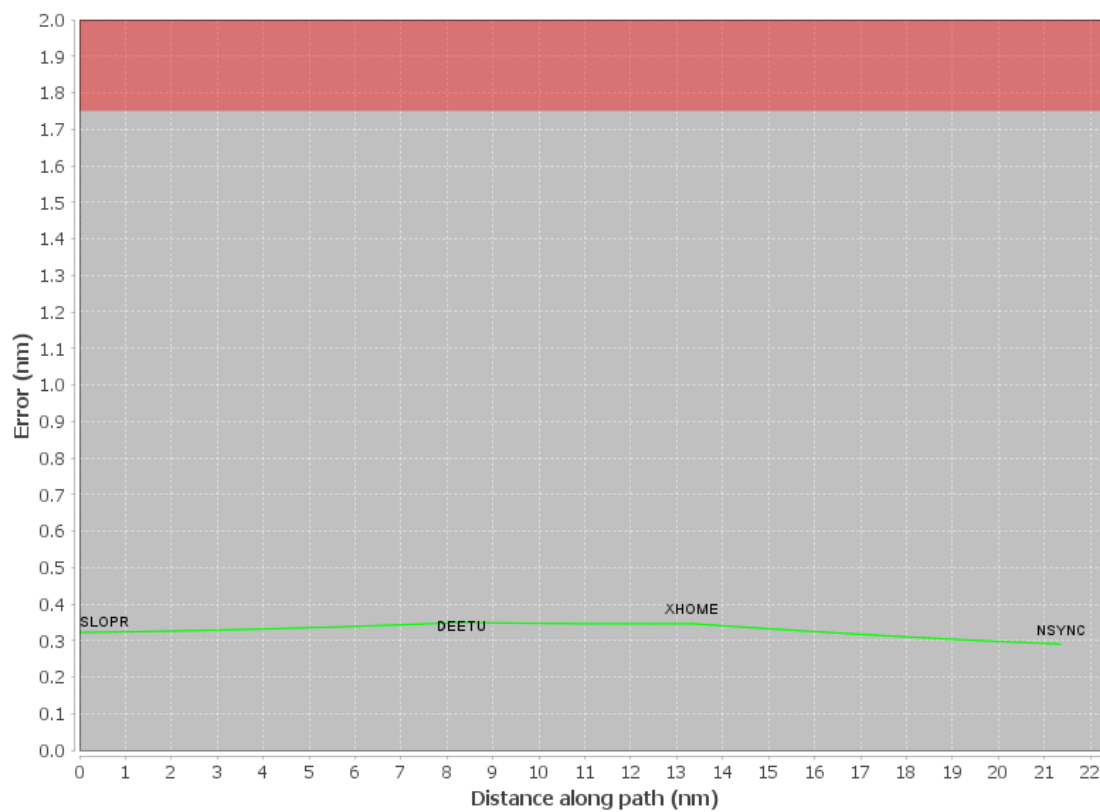
Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
SLOPR	DEETU	LEY, DVV, GLL, FQF, BJC, DEN	
DEETU	XHOME	DVV, FQF, BJC, DEN	
XHOME	NSYNC	LEY, DVV, GLL, BJC, FQF, DEN	

DME DME Assessment Results for PINNR4 path SLOPR_NSYNC

User Data Files								
#	File Name							
None								
User DMEs								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	CYS FAA 704129-14 CYS	N41° 12' 39.48", W104° 46' 22.49"	13.0 E	130	6211	113.1	CYS FAA 704129-14	
ESV:		Bearing [True]: 196.0° to 284.0° Bearing [Mag]: 183.0° to 271.0°				Arc Distance: Out to 65.0 NM Altitude: 11000.0 to 20800.0 ft		
2	LAR FAA 704277-17 LAR	N41° 20' 16.15", W105° 43' 15.36"	14.0 E	40	7299.4	117.6	LAR FAA 704277-17	
ESV:		Bearing [True]: 144.0° to 159.0° Bearing [Mag]: 130.0° to 145.0°				Arc Distance: Out to 56.0 NM Altitude: 10000.0 to 16000.0 ft		

DME DME Assessment Results for PINNR4 path SLOPR_NSYNC

DME Error



DME DME Assessment Results for PINNR4 path TINGE_BDOWN

Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Theodore CTR Roller
Project File:	C:\Users\Theodore CTR Roller\Desktop\CO\APA\66403 PINNR STAR\SubPak\FPT 20251202\20251202 KAPA PINNR STAR FPT 1.0.tgs
Output File:	C:\Users\Theodore CTR Roller\Desktop\CO\APA\66403 PINNR STAR\SubPak\FPT 20251202\DME-DME\KAPA [IFPA] PINNR4 20251203_1233 MST\TINGE_BDOWN\KAPA PINNR4 RNAV STAR TINGE BDOWN 20251203_1233 MST.pdf
Procedure Name:	PINNR4
Software: DmeDmePlugin:	7.5.1
Date/Time:	12/03/2025 12:33 MST
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
TINGE	WP	N40° 33' 52.10", W105° 01' 37.69"	10000	VNAV	200	FLY_BY	TF
BDOWN	WP	N40° 31' 43.42", W104° 57' 02.59"	9000	VNAV	200	FLY_OVER	TF

Flyability

Flight Type:	RNAV STAR
Selected Airport:	KAPA [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 PINNR4 path TINGE_BDOWN

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	LEY	N40° 13' 34.68", W104° 43' 10.50"	0.0 E	130	DH		NO	Enabled	100 %	100 %
2	GLL	N40° 30' 13.92", W104° 33' 10.85"	13.0 E	130	DH		NO	Enabled	100 %	100 %
3	BJC	N39° 54' 46.94", W105° 08' 20.35"	11.0 E	130	DH		NO	Enabled	100 %	100 %

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	GLL	BJC	LEY			

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

Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
TINGE	BDOWN	LEY, GLL, BJC	

User Data Files								
#	File Name							
None								
User DMEs								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	CYS FAA 704129-14 CYS	N41° 12' 39.48", W104° 46' 22.49"	13.0 E	130	6211	113.1	CYS FAA 704129-14	
ESV:		Bearing [True]: 196.0° to 284.0° Bearing [Mag]: 183.0° to 271.0°				Arc Distance: Out to 65.0 NM Altitude: 11000.0 to 20800.0 ft		
2	LAR FAA 704277-17 LAR	N41° 20' 16.15", W105° 43' 15.36"	14.0 E	40	7299.4	117.6	LAR FAA 704277-17	
ESV:		Bearing [True]: 144.0° to 159.0° Bearing [Mag]: 130.0° to 145.0°				Arc Distance: Out to 56.0 NM Altitude: 10000.0 to 16000.0 ft		

DME DME Assessment Results for PINNR4 path TINGE_BDOWN

