

DME DME Assessment Results for AALLE4 path DEELO_DOGGG

Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Theodore CTR Roller
Project File:	C:\Users\Theodore CTR Roller\Desktop\CO\DEN\32351 DEN-APA\Subpak\FPT\20240903 DEN STARS 32351.tgs
Output File:	C:\Users\Theodore CTR Roller\Desktop\CO\DEN\32351 DEN-APA\Subpak\FPT\AALLE\KDEN [IFPA] AALLE4 20240903_1015 MDT\DEELO_DOGGG\KDEN AALLE4 RNAV STAR DEELO DOGGG 20240903_1015 MDT.pdf
Procedure Name:	AALLE4
Software: DmeDmePlugin:	7.3.3
Date/Time:	09/03/2024 10:15 MDT
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
DEELO	WP	N40° 08' 49.45", W104° 14' 14.39"	15000	VNAV	250	FLY_BY	TF
FULLA	WP	N39° 58' 00.38", W104° 25' 43.71"	13000	VNAV	250	FLY_BY	TF
FFFAT	WP	N39° 54' 01.30", W104° 29' 57.17"	11000	VNAV	250	FLY_BY	TF
DOGGG	WP	N39° 47' 54.32", W104° 30' 03.31"	11000	VNAV	210	FLY_OVER	TF

Flyability

Flight Type:	RNAV_STAR
Selected Airport:	KDEN [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 AALLE4 path DEELO_DOGGG

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	DEN	N39° 48' 45.05", W104° 39' 38.66"	8.0 E	130	H	IFPA	NO	Enabled		
2	GLL	N40° 30' 13.92", W104° 33' 10.85"	13.0 E	130	DH	IFPA	NO	Enabled		
3	BJC	N39° 54' 46.94", W105° 08' 20.35"	11.0 E	130	DH	IFPA	NO	Enabled		
4	DVV	N39° 53' 40.88", W104° 37' 27.61"	8.0 E	130	H	IFPA	NO	Enabled		
5	FQF	N39° 41' 24.50", W104° 37' 15.50"	11.0 E	130	H	IFPA	NO	Enabled		
6	SNY	N41° 05' 48.06", W102° 58' 58.77"	13.0 E	130	DH	IFPA	NO	Enabled		

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	DVV [IFPA]	GLL [IFPA]	DEN [IFPA]	BJC [IFPA]	FQF [IFPA]	SNY [IFPA]
16.2	GLL [IFPA]	BJC [IFPA]	DVV [IFPA]	FQF [IFPA]	DEN [IFPA]	
18.2	DVV [IFPA]	GLL [IFPA]	BJC [IFPA]	FQF [IFPA]		
19.2	GLL [IFPA]	BJC [IFPA]	FQF [IFPA]	DEN [IFPA]		
22.0	DVV [IFPA]	FQF [IFPA]	GLL [IFPA]	BJC [IFPA]	DEN [IFPA]	
24.9	DEN [IFPA]	GLL [IFPA]	BJC [IFPA]	FQF [IFPA]		

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

DME DME Assessment Results for AALLE4 path DEELO_DOGGG

Available DMEs by Waypoints

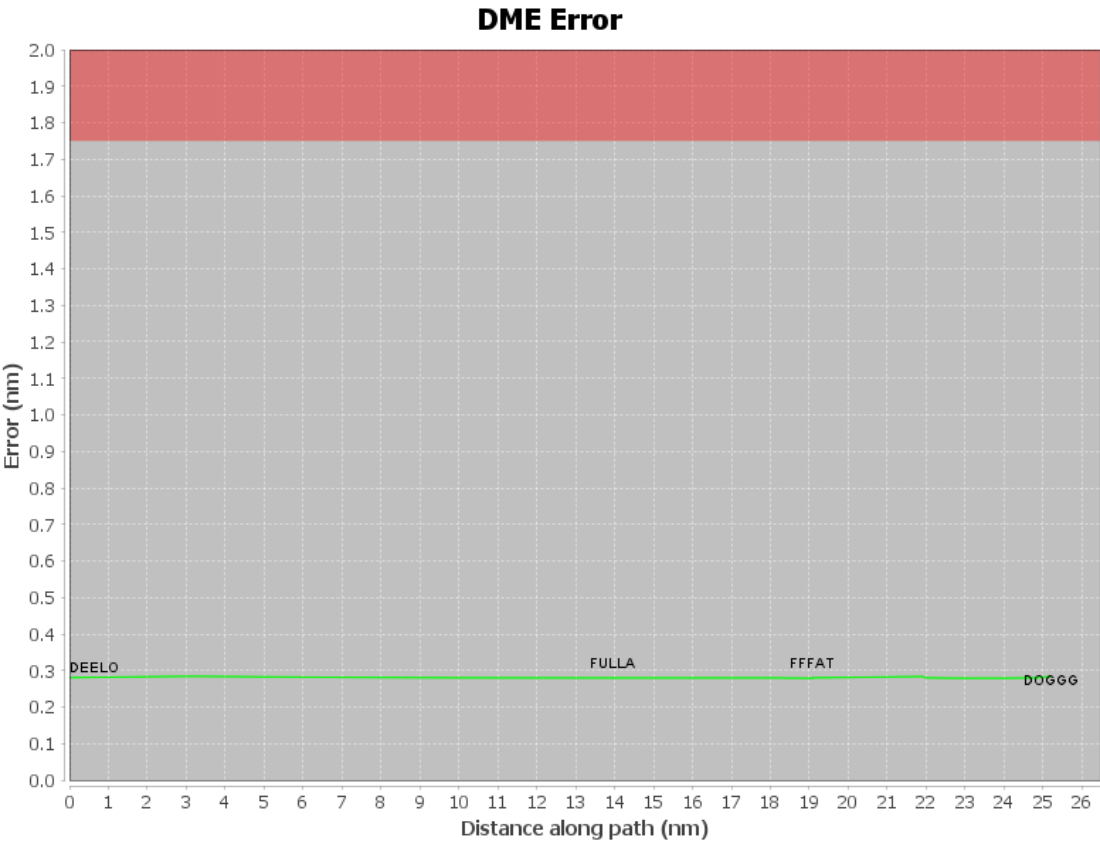
Waypoint Before	Waypoint After	DME List	Suggested DMEs
DEELO	FULLA	DEN [IFPA], GLL [IFPA], BJC [IFPA], DVV [IFPA], FQF [IFPA], SNY [IFPA]	
FULLA	FFFAT	DEN [IFPA], GLL [IFPA], BJC [IFPA], DVV [IFPA], FQF [IFPA], SNY [IFPA]	
FFFAT	DOGGG	DEN [IFPA], GLL [IFPA], BJC [IFPA], DVV [IFPA], FQF [IFPA]	

User Data Files

#	File Name
	None

User DMEs

#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	FQF FAA 910284-14 FQF [IFPA]	N39° 41' 24.50", W104° 37' 15.50"	11.0 E	130	5780	116.3	FQF FAA 910284-14	
ESV:		Bearing [True]: 6.0° to 48.0° Bearing [Mag]: 355.0° to 37.0°				Arc Distance: Out to 88.0 NM Altitude: 10500.0 to 20300.0 ft		



DME DME Assessment Results for AALLE4 path HAZLT_HAIR

Results Summary	
Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Theodore CTR Roller
Project File:	C:\Users\Theodore CTR Roller\Desktop\CO\DEN\32351 DEN-APA\Subpak\FPT\20240903 DEN STARs 32351.tgs
Output File:	C:\Users\Theodore CTR Roller\Desktop\CO\DEN\32351 DEN-APA\Subpak\FPT\AALLE\KDEN [IFPA] AALLE4 20240903_1015 MDT\HAZLT_HAIR\KDEN AALLE4 RNAV STAR HAZLT HAITR 20240903_1015 MDT.pdf
Procedure Name:	AALLE4
Software: DmeDmePlugin:	7.3.3
Date/Time:	09/03/2024 10:15 MDT
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
HAZLT	WP	N39° 55' 49.45", W104° 39' 05.06"	11000	VNAV	250	FLY_BY	TF
HAIR	WP	N39° 55' 52.24", W104° 46' 00.66"	11000	VNAV	210	FLY_OVER	TF

Flyability	
Flight Type:	RNAV STAR
Selected Airport:	KDEN [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 AALLE4 path HAZLT_HAIR

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	DEN	N39° 48' 45.05", W104° 39' 38.66"	8.0 E	130	H	IFPA	NO	Enabled		
2	GLL	N40° 30' 13.92", W104° 33' 10.85"	13.0 E	130	DH	IFPA	NO	Enabled		
3	BJC	N39° 54' 46.94", W105° 08' 20.35"	11.0 E	130	DH	IFPA	NO	Enabled		
4	DVV	N39° 53' 40.88", W104° 37' 27.61"	8.0 E	130	H	IFPA	NO	Enabled		
5	FQF	N39° 41' 24.50", W104° 37' 15.50"	11.0 E	130	H	IFPA	NO	Enabled		

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	FQF [IFPA]	BJC [IFPA]	DEN [IFPA]	GLL [IFPA]		
1.1	DEN [IFPA]	BJC [IFPA]	FQF [IFPA]	GLL [IFPA]	DVV [IFPA]	

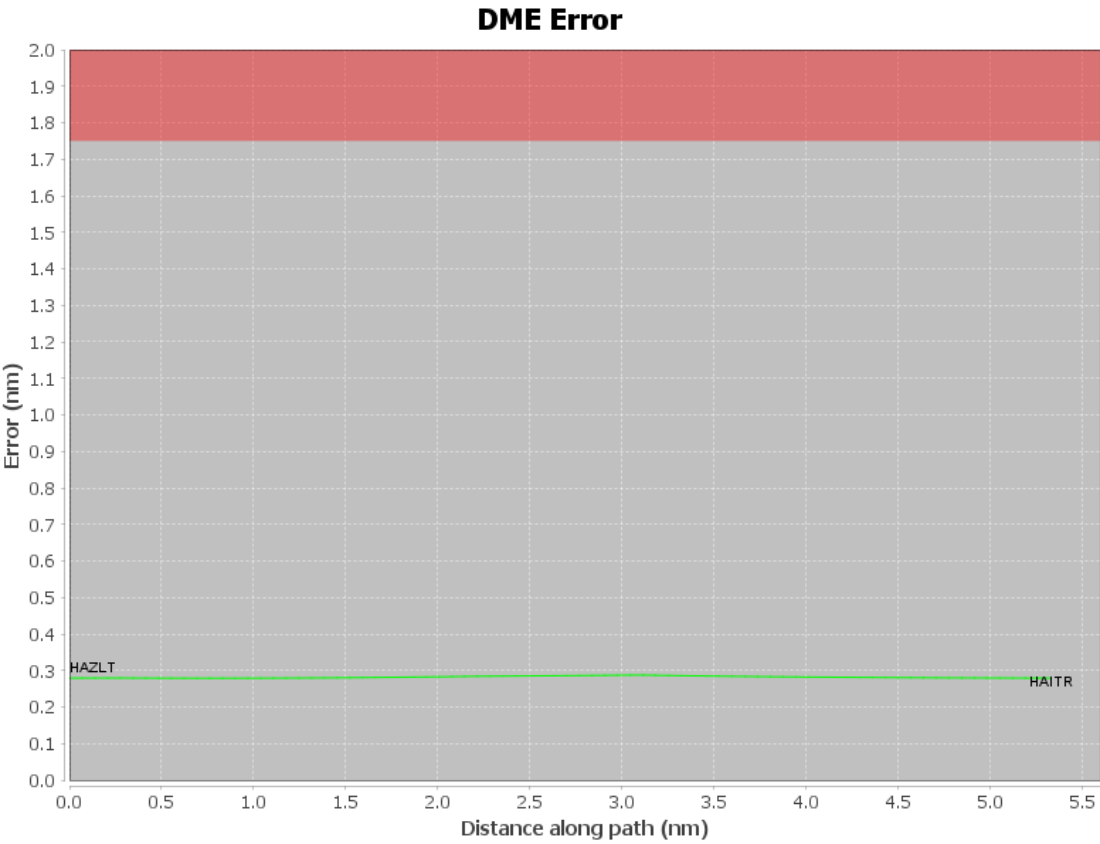
Inertial Drift Segments			
#	Start Location	End Location	Length [NM]

Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
HAZLT	HAIR	DEN [IFPA], GLL [IFPA], BJC [IFPA], DVV [IFPA], FQF [IFPA]	

DME DME Assessment Results for AALLE4 path HAZLT_HAIR

User Data Files								
#	File Name							
None								
User DMEs								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	FQF FAA 910284-14 FQF [IFPA]	N39° 41' 24.50", W104° 37' 15.50"	11.0 E	130	5780	116.3	FQF FAA 910284-14	
ESV:		Bearing [True]: 6.0° to 48.0° Bearing [Mag]: 355.0° to 37.0°				Arc Distance: Out to 88.0 NM Altitude: 10500.0 to 20300.0 ft		

DME DME Assessment Results for AALLE4 path HAZLT_HAIR



DME DME Assessment Results for AALLE4 path HEDDD_CRUNK

Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Theodore CTR Roller
Project File:	C:\Users\Theodore CTR Roller\Desktop\CO\DEN\32351 DEN-APA\Subpak\FPT\20240903 DEN STARs 32351.tgs
Output File:	C:\Users\Theodore CTR Roller\Desktop\CO\DEN\32351 DEN-APA\Subpak\FPT\AALLE\KDEN [IFPA] AALLE4 20240903_1015 MDT\HEDDD_CRUNK\KDEN AALLE4 RNAV STAR HEDDD CRUNK 20240903_1015 MDT.pdf
Procedure Name:	AALLE4
Software: DmeDmePlugin:	7.3.3
Date/Time:	09/03/2024 10:15 MDT
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
HEDDD	WP	N40° 18' 55.45", W104° 03' 25.89"	16000	VNAV	250	FLY_BY	TF
CRUNK	WP	N40° 12' 11.77", W104° 12' 11.93"	14000	VNAV	250	FLY_OVER	TF

Flyability

Flight Type:	RNAV STAR
Selected Airport:	KDEN [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 AALLE4 path HEDDD_CRUNK

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	AIA	N42° 03' 20.27", W102° 48' 16.00"	11.0 E	130	DH	IFPA	NO	Enabled		
2	DEN	N39° 48' 45.05", W104° 39' 38.66"	8.0 E	130	H	IFPA	NO	Enabled		
3	GLL	N40° 30' 13.92", W104° 33' 10.85"	13.0 E	130	DH	IFPA	NO	Enabled		
4	BJC	N39° 54' 46.94", W105° 08' 20.35"	11.0 E	130	DH	IFPA	NO	Enabled		
5	DVV	N39° 53' 40.88", W104° 37' 27.61"	8.0 E	130	H	IFPA	NO	Enabled		
6	FQF	N39° 41' 24.50", W104° 37' 15.50"	11.0 E	130	H	IFPA	NO	Enabled		
7	SNY	N41° 05' 48.06", W102° 58' 58.77"	13.0 E	130	DH	IFPA	NO	Enabled		

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	DVV [IFPA]	GLL [IFPA]	SNY [IFPA]	BJC [IFPA]	AIA [IFPA]	
1.5	FQF [IFPA]	GLL [IFPA]	DEN [IFPA]	DVV [IFPA]	SNY [IFPA]	BJC [IFPA]

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

Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
HEDDD	CRUNK	AIA [IFPA], DEN [IFPA], GLL [IFPA], BJC [IFPA], DVV [IFPA], FQF [IFPA], SNY [IFPA]	

DME DME Assessment Results for AALLE4 path HEDDD_CRUNK

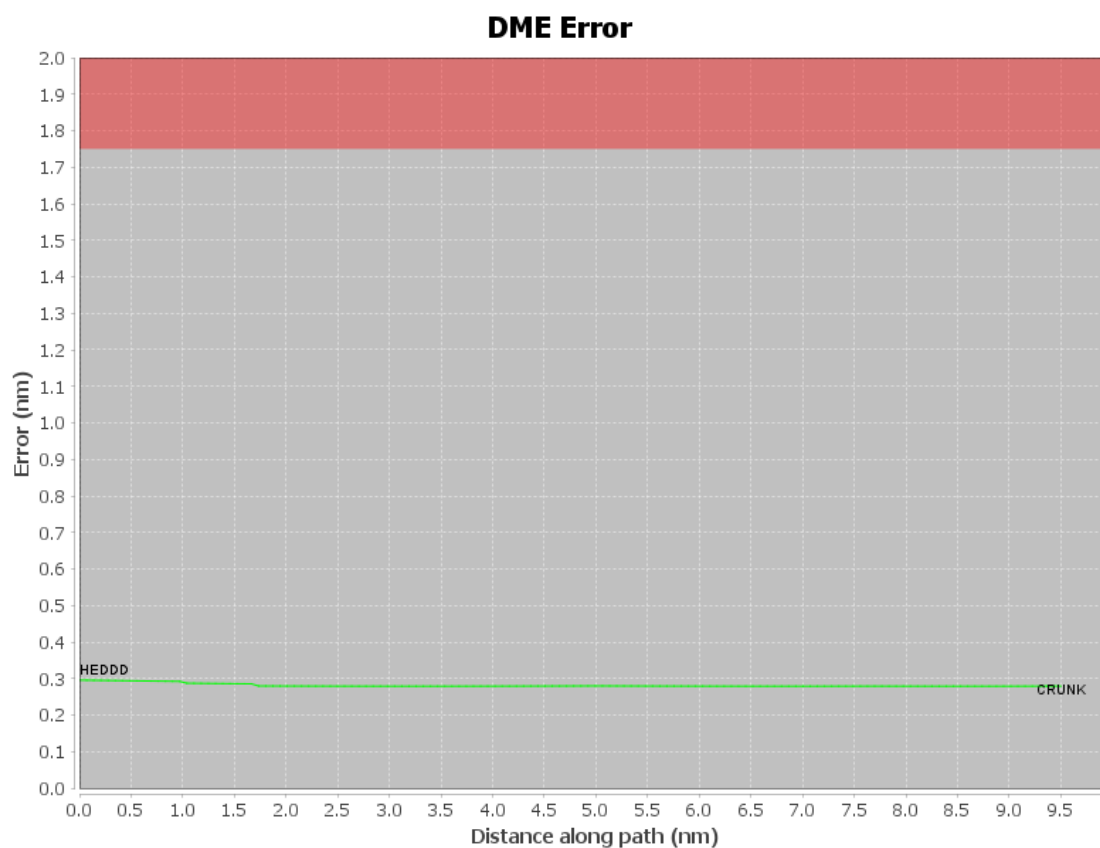
User Data Files

#	File Name
None	

User DMEs

#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	FQF FAA 910284-14 FQF [IFPA]	N39° 41' 24.50", W104° 37' 15.50"	11.0 E	130	5780	116.3	FQF FAA 910284-14	
ESV:		Bearing [True]: 6.0° to 48.0° Bearing [Mag]: 355.0° to 37.0°				Arc Distance: Out to 88.0 NM Altitude: 10500.0 to 20300.0 ft		

DME DME Assessment Results for AALLE4 path HEDDD_CRUNK



DME DME Assessment Results for AALLE4 path HEDDD_KIPPR

Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Theodore CTR Roller
Project File:	C:\Users\Theodore CTR Roller\Desktop\CO\DEN\32351 DEN-APA\Subpak\FPT\20240903 DEN STARs 32351.tgs
Output File:	C:\Users\Theodore CTR Roller\Desktop\CO\DEN\32351 DEN-APA\Subpak\FPT\AALLE\KDEN [IFPA] AALLE4 20240903_1015 MDT\HEDDD_KIPPR\KDEN AALLE4 RNAV STAR HEDDD KIPPR 20240903_1015 MDT.pdf
Procedure Name:	AALLE4
Software: DmeDmePlugin:	7.3.3
Date/Time:	09/03/2024 10:15 MDT
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
HEDDD	WP	N40° 18' 55.45", W104° 03' 25.89"	16000	VNAV	250	FLY_BY	TF
HIGUN	WP	N40° 20' 32.12", W104° 22' 02.21"	14000	VNAV	210	FLY_BY	TF
KIPPR	WP	N40° 20' 58.32", W104° 33' 47.99"	12000	VNAV	210	FLY_BY	TF

Flyability

Flight Type:	RNAV_STAR
Selected Airport:	KDEN [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 AALLE4 path HEDDD_KIPPR

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	AIA	N42° 03' 20.27", W102° 48' 16.00"	11.0 E	130	DH	IFPA	NO	Enabled		
2	DEN	N39° 48' 45.05", W104° 39' 38.66"	8.0 E	130	H	IFPA	NO	Enabled		
3	GLL	N40° 30' 13.92", W104° 33' 10.85"	13.0 E	130	DH	IFPA	NO	Enabled		
4	BJC	N39° 54' 46.94", W105° 08' 20.35"	11.0 E	130	DH	IFPA	NO	Enabled		
5	DVV	N39° 53' 40.88", W104° 37' 27.61"	8.0 E	130	H	IFPA	NO	Enabled		
6	FQF	N39° 41' 24.50", W104° 37' 15.50"	11.0 E	130	H	IFPA	NO	Enabled		
7	SNY	N41° 05' 48.06", W102° 58' 58.77"	13.0 E	130	DH	IFPA	NO	Enabled		

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	DVV [IFPA]	GLL [IFPA]	SNY [IFPA]	BJC [IFPA]	AIA [IFPA]	
1.5	FQF [IFPA]	GLL [IFPA]	DVV [IFPA]	SNY [IFPA]	BJC [IFPA]	
15.7	GLL [IFPA]	BJC [IFPA]	SNY [IFPA]	DVV [IFPA]	DEN [IFPA]	

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

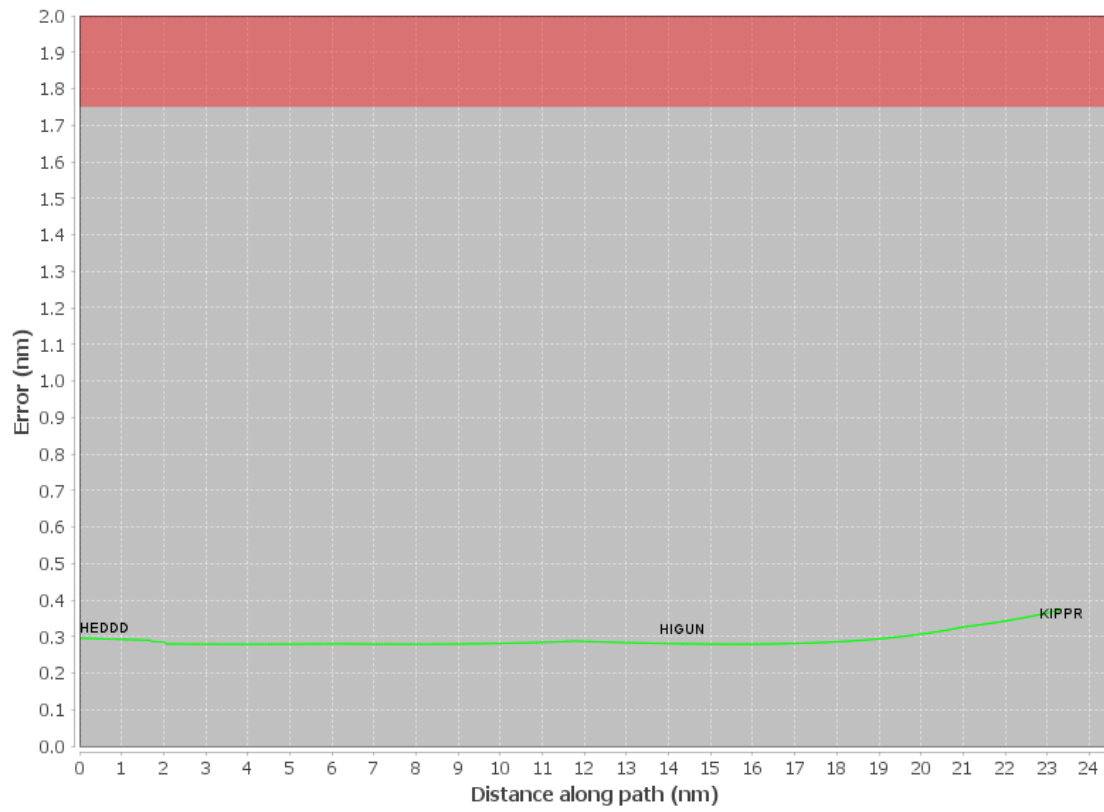
Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
HEDDD	HIGUN	AIA [IFPA], DEN [IFPA], GLL [IFPA], BJC [IFPA], DVV [IFPA], FQF [IFPA], SNY [IFPA]	
HIGUN	KIPPR	DEN [IFPA], GLL [IFPA], BJC [IFPA], DVV [IFPA], FQF [IFPA], SNY [IFPA]	

DME DME Assessment Results for AALLE4 path HEDDD_KIPPR

User Data Files								
#	File Name							
None								
User DMEs								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	FQF FAA 910284-14 FQF [IFPA]	N39° 41' 24.50", W104° 37' 15.50"	11.0 E	130	5780	116.3	FQF FAA 910284-14	
ESV:		Bearing [True]: 6.0° to 48.0° Bearing [Mag]: 355.0° to 37.0°				Arc Distance: Out to 88.0 NM Altitude: 10500.0 to 20300.0 ft		

DME DME Assessment Results for AALLE4 path HEDDD_KIPPR

DME Error



DME DME Assessment Results for AALLE4 path NYTRO_AALLE

Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Theodore CTR Roller
Project File:	C:\Users\Theodore CTR Roller\Desktop\CO\DEN\32351 DEN-APA\Subpak\FPT\20240903 DEN STARs 32351.tgs
Output File:	C:\Users\Theodore CTR Roller\Desktop\CO\DEN\32351 DEN-APA\Subpak\FPT\AALLE\KDEN [IFPA] AALLE4 20240903_1015 MDT\NYTRO_AALLE\KDEN AALLE4 RNAV STAR NYTRO AALLE 20240903_1015 MDT.pdf
Procedure Name:	AALLE4
Software: DmeDmePlugin:	7.3.3
Date/Time:	09/03/2024 10:15 MDT
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
NYTRO	WP	N41° 34' 34.16", W103° 09' 14.99"	20000	VNAV	280	FLY_BY	TF
MILKK	WP	N41° 19' 42.97", W103° 09' 48.18"	20000	VNAV	280	FLY_BY	TF
SDOUT	WP	N41° 02' 11.76", W103° 10' 27.09"	20000	VNAV	280	FLY_BY	TF
MALTE	WP	N40° 48' 15.97", W103° 24' 26.44"	16000	VNAV	280	FLY_BY	TF
BBOTL	WP	N40° 38' 14.57", W103° 34' 24.53"	16000	VNAV	280	FLY_BY	TF
AALLE	WP	N40° 27' 12.33", W103° 45' 25.19"	16000	VNAV	280	FLY_BY	TF

Flyability

Flight Type:	RNAV_STAR
Selected Airport:	KDEN [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 AALLE4 path NYTRO_AALLE

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	AIA	N42° 03' 20.27", W102° 48' 16.00"	11.0 E	130	DH	IFPA	NO	Enabled		
2	TXC	N39° 41' 53.94", W103° 12' 53.78"	12.0 E	130	H	IFPA	NO	Enabled		
3	GLL	N40° 30' 13.92", W104° 33' 10.85"	13.0 E	130	DH	IFPA	NO	Enabled		
4	BJC	N39° 54' 46.94", W105° 08' 20.35"	11.0 E	130	DH	IFPA	NO	Enabled		
5	AKO	N40° 09' 20.00", W103° 10' 46.97"	13.0 E	130	H	IFPA	NO	Enabled		
6	DVV	N39° 53' 40.88", W104° 37' 27.61"	8.0 E	130	H	IFPA	NO	Enabled		
7	IIP	N42° 40' 33.97", W105° 13' 34.41"	12.0 E	130	DH	IFPA	NO	Enabled		
8	TST	N42° 33' 31.58", W103° 18' 43.73"	13.0 E	130	DH	IFPA	NO	Enabled		
9	SNY	N41° 05' 48.06", W102° 58' 58.77"	13.0 E	130	DH	IFPA	NO	Enabled		
10	BFF	N41° 53' 38.99", W103° 28' 55.31"	13.0 E	130	H	IFPA	NO	Enabled		

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	AIA [IFPA]	BFF [IFPA]	GLL [IFPA]	IIP [IFPA]	SNY [IFPA]	TST [IFPA]
21.7	AIA [IFPA]	SNY [IFPA]	GLL [IFPA]	BFF [IFPA]	AKO [IFPA]	TST [IFPA]
34.1	BFF [IFPA]	SNY [IFPA]	GLL [IFPA]	TST [IFPA]	AIA [IFPA]	BJC [IFPA]
35.1	GLL [IFPA]	TST [IFPA]	SNY [IFPA]	AIA [IFPA]	BJC [IFPA]	
66.4	AKO [IFPA]	SNY [IFPA]	BJC [IFPA]	GLL [IFPA]	AIA [IFPA]	

DME DME Assessment Results for AALLE4 path NYTRO_AALLE

Inertial Drift Segments

#	Start Location	End Location	Length [NM]
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Available DMEs by Waypoints

Waypoint Before	Waypoint After	DME List	Suggested DMEs
NYTRO	MILKK	AIA [IFPA], TXC [IFPA], GLL [IFPA], BJC [IFPA], AKO [IFPA], IIP [IFPA], TST [IFPA], SNY [IFPA], BFF [IFPA]	
MILKK	SDOUT	AIA [IFPA], TXC [IFPA], GLL [IFPA], BJC [IFPA], AKO [IFPA], DVV [IFPA], IIP [IFPA], SNY [IFPA], TST [IFPA], BFF [IFPA]	
SDOUT	MALTE	AIA [IFPA], TXC [IFPA], GLL [IFPA], BJC [IFPA], AKO [IFPA], DVV [IFPA], SNY [IFPA], TST [IFPA], BFF [IFPA]	
MALTE	BBOTL	AIA [IFPA], GLL [IFPA], BJC [IFPA], AKO [IFPA], TST [IFPA], SNY [IFPA]	
BBOTL	AALLE	AIA [IFPA], GLL [IFPA], BJC [IFPA], AKO [IFPA], SNY [IFPA], TST [IFPA]	

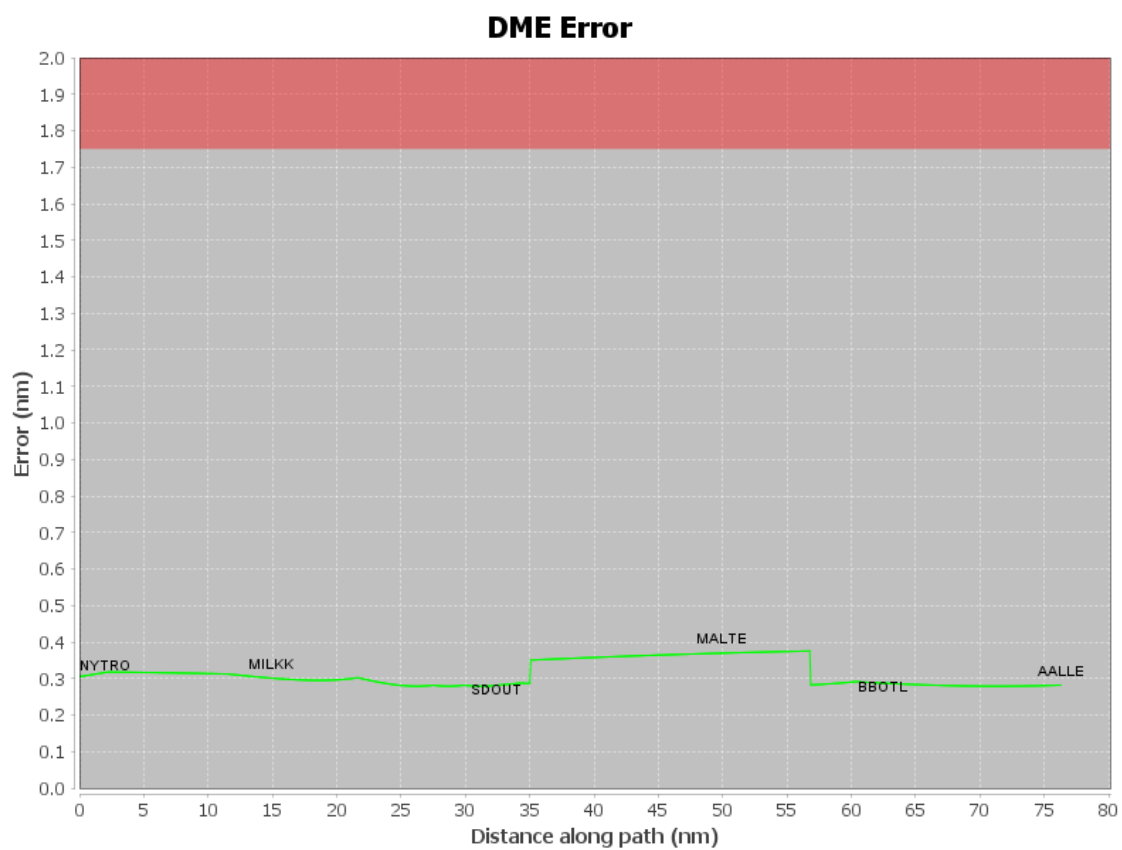
User Data Files

#	File Name
	None

User DMEs

#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	FQF FAA 910284-14 FQF [IFPA]	N39° 41' 24.50", W104° 37' 15.50"	11.0 E	130	5780	116.3	FQF FAA 910284-14	
ESV:		Bearing [True]: 6.0° to 48.0° Bearing [Mag]: 355.0° to 37.0°				Arc Distance: Out to 88.0 NM Altitude: 10500.0 to 20300.0 ft		

DME DME Assessment Results for AALLE4 path NYTRO_AALLE



DME DME Assessment Results for AALLE4 path PORDR_HIMOM

Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Theodore CTR Roller
Project File:	C:\Users\Theodore CTR Roller\Desktop\CO\DEN\32351 DEN-APA\Subpak\FPT\20240903 DEN STARs 32351.tgs
Output File:	C:\Users\Theodore CTR Roller\Desktop\CO\DEN\32351 DEN-APA\Subpak\FPT\AALLE\KDEN [IFPA] AALLE4 20240903_1015 MDT\PORDR_HIMOM\KDEN AALLE4 RNAV STAR PORDR HIMOM 20240903_1015 MDT.pdf
Procedure Name:	AALLE4
Software: DmeDmePlugin:	7.3.3
Date/Time:	09/03/2024 10:15 MDT
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
PORDR	WP	N41° 22' 06.94", W100° 59' 54.69"	20000	VNAV	280	FLY_BY	TF
HOPPP	WP	N41° 13' 37.76", W101° 26' 16.10"	20000	VNAV	280	FLY_BY	TF
YEAST	WP	N40° 58' 13.75", W102° 13' 42.82"	20000	VNAV	280	FLY_BY	TF
BIDDR	WP	N40° 45' 13.07", W102° 52' 47.42"	20000	VNAV	280	FLY_BY	TF
CAASK	WP	N40° 38' 05.72", W103° 13' 45.60"	16000	VNAV	280	FLY_BY	TF
FOAMM	WP	N40° 32' 55.33", W103° 28' 51.14"	16000	VNAV	280	FLY_BY	TF
AALLE	WP	N40° 27' 12.33", W103° 45' 25.19"	16000	VNAV	280	FLY_BY	TF
HEDDD	WP	N40° 18' 55.45", W104° 03' 25.89"	16000	VNAV	250	FLY_BY	TF
DEELO	WP	N40° 08' 49.45", W104° 14' 14.39"	15000	VNAV	250	FLY_BY	TF
JEPHF	WP	N40° 00' 06.58", W104° 27' 47.45"	13000	VNAV	250	FLY_BY	TF
HAZLT	WP	N39° 55' 49.45", W104° 39' 05.06"	11000	VNAV	250	FLY_BY	TF
GRILA	WP	N39° 52' 17.37", W104° 48' 24.29"	11000	VNAV	250	FLY_BY	TF
HIMOM	WP	N39° 47' 17.19", W104° 48' 32.22"	11000	VNAV	210	FLY_OVER	TF

DME DME Assessment Results for AALLE4 path PORDR_HIMOM

Flyability	
Flight Type:	RNAV STAR
Selected Airport:	KDEN [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 AALLE4 path PORDR_HIMOM

DME/DME (Continued)										
DMEs Used										
#	Name	Lat/Lon	MAGVAR	Range	Type	Source	Critical	Status	Time	Distance
1	DEN	N39° 48' 45.05", W104° 39' 38.66"	8.0 E	130	H	IFPA	NO	Enabled		
2	BJC	N39° 54' 46.94", W105° 08' 20.35"	11.0 E	130	DH	IFPA	NO	Enabled		
3	AKO	N40° 09' 20.00", W103° 10' 46.97"	13.0 E	130	H	IFPA	NO	Enabled		
4	DVV	N39° 53' 40.88", W104° 37' 27.61"	8.0 E	130	H	IFPA	NO	Enabled		
5	AIA	N42° 03' 20.27", W102° 48' 16.00"	11.0 E	130	DH	IFPA	NO	Enabled		
6	ANW	N42° 34' 08.81", W099° 59' 22.78"	9.0 E	130	DH	IFPA	NO	Enabled		
7	MCK	N40° 12' 13.67", W100° 35' 39.21"	8.0 E	130	DH	IFPA	NO	Enabled		
8	TXC	N39° 41' 53.94", W103° 12' 53.78"	12.0 E	130	H	IFPA	NO	Enabled		
9	HCT	N40° 27' 14.62", W100° 55' 24.86"	11.0 E	130	H	IFPA	NO	Enabled		
10	GLL	N40° 30' 13.92", W104° 33' 10.85"	13.0 E	130	DH	IFPA	NO	Enabled		
11	FQF	N39° 41' 24.50", W104° 37' 15.50"	11.0 E	130	H	IFPA	NO	Enabled		
12	SNY	N41° 05' 48.06", W102° 58' 58.77"	13.0 E	130	DH	IFPA	NO	Enabled		
13	TST	N42° 33' 31.58", W103° 18' 43.73"	13.0 E	130	DH	IFPA	NO	Enabled		
14	LBF	N41° 02' 55.34", W100° 44' 49.55"	11.0 E	40	L	IFPA	NO	Enabled		
15	BFF	N41° 53' 38.99", W103° 28' 55.31"	13.0 E	130	H	IFPA	NO	Enabled		

DME DME Assessment Results for AALLE4 path PORDR_HIMOM

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	HCT [IFPA]	SNY [IFPA]	MCK [IFPA]	LBF [IFPA]	AIA [IFPA]	ANW [IFPA]
27.4	HCT [IFPA]	SNY [IFPA]	AKO [IFPA]	MCK [IFPA]	AIA [IFPA]	ANW [IFPA]
49.5	AKO [IFPA]	HCT [IFPA]	AIA [IFPA]	MCK [IFPA]	BFF [IFPA]	SNY [IFPA]
94.8	GLL [IFPA]	SNY [IFPA]	BFF [IFPA]	AIA [IFPA]	HCT [IFPA]	TST [IFPA]
95.6	GLL [IFPA]	SNY [IFPA]	AIA [IFPA]	AKO [IFPA]	HCT [IFPA]	MCK [IFPA]
98.0	GLL [IFPA]	SNY [IFPA]	AKO [IFPA]	AIA [IFPA]	MCK [IFPA]	TST [IFPA]
115.9	AKO [IFPA]	GLL [IFPA]	BJC [IFPA]	SNY [IFPA]	AIA [IFPA]	MCK [IFPA]
116.1	AKO [IFPA]	GLL [IFPA]	BJC [IFPA]	SNY [IFPA]	AIA [IFPA]	
146.3	GLL [IFPA]	SNY [IFPA]	AIA [IFPA]	BJC [IFPA]		
150.3	GLL [IFPA]	SNY [IFPA]	DVV [IFPA]	AIA [IFPA]	BJC [IFPA]	
154.5	FQF [IFPA]	GLL [IFPA]	DEN [IFPA]	DVV [IFPA]	SNY [IFPA]	BJC [IFPA]
180.5	GLL [IFPA]	BJC [IFPA]	FQF [IFPA]	DEN [IFPA]	SNY [IFPA]	
182.1	GLL [IFPA]	BJC [IFPA]	FQF [IFPA]	DEN [IFPA]		
190.8	FQF [IFPA]	BJC [IFPA]	GLL [IFPA]			
191.7	GLL [IFPA]	BJC [IFPA]	FQF [IFPA]	DVV [IFPA]		
195.0	GLL [IFPA]	BJC [IFPA]	DVV [IFPA]	FQF [IFPA]	DEN [IFPA]	
199.6	GLL [IFPA]	BJC [IFPA]	DVV [IFPA]	FQF [IFPA]		
201.8	GLL [IFPA]	BJC [IFPA]	DVV [IFPA]	FQF [IFPA]	DEN [IFPA]	

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

DME DME Assessment Results for AALLE4 path PORDR_HIMOM

Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
PORDR	HOPPP	AIA [IFPA], ANW [IFPA], MCK [IFPA], HCT [IFPA], SNY [IFPA], TST [IFPA], LBF [IFPA]	
HOPPP	YEAST	AIA [IFPA], ANW [IFPA], MCK [IFPA], TXC [IFPA], HCT [IFPA], GLL [IFPA], AKO [IFPA], SNY [IFPA], LBF [IFPA], TST [IFPA], BFF [IFPA]	
YEAST	BIDDR	AIA [IFPA], MCK [IFPA], TXC [IFPA], HCT [IFPA], DEN [IFPA], GLL [IFPA], BJC [IFPA], AKO [IFPA], DVV [IFPA], SNY [IFPA], TST [IFPA], BFF [IFPA]	
BIDDR	CAASK	AIA [IFPA], MCK [IFPA], TXC [IFPA], DEN [IFPA], HCT [IFPA], GLL [IFPA], BJC [IFPA], AKO [IFPA], DVV [IFPA], SNY [IFPA], TST [IFPA], BFF [IFPA]	
CAASK	FOAMM	AIA [IFPA], MCK [IFPA], GLL [IFPA], BJC [IFPA], AKO [IFPA], SNY [IFPA], TST [IFPA]	
FOAMM	AALLE	AIA [IFPA], GLL [IFPA], BJC [IFPA], AKO [IFPA], SNY [IFPA]	
AALLE	HEDDD	AIA [IFPA], GLL [IFPA], BJC [IFPA], AKO [IFPA], DVV [IFPA], FQF [IFPA], SNY [IFPA]	
HEDDD	DEELO	AIA [IFPA], DEN [IFPA], GLL [IFPA], BJC [IFPA], DVV [IFPA], FQF [IFPA], SNY [IFPA]	
DEELO	JEPHF	DEN [IFPA], GLL [IFPA], BJC [IFPA], DVV [IFPA], FQF [IFPA], SNY [IFPA]	
JEPHF	HAZLT	DEN [IFPA], GLL [IFPA], BJC [IFPA], DVV [IFPA], FQF [IFPA], SNY [IFPA]	
HAZLT	GRILA	DEN [IFPA], GLL [IFPA], BJC [IFPA], DVV [IFPA], FQF [IFPA]	
GRILA	HIMOM	DEN [IFPA], GLL [IFPA], BJC [IFPA], DVV [IFPA], FQF [IFPA]	

User Data Files								
#	File Name							
None								
User DMEs								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	FQF FAA 910284-14 FQF [IFPA]	N39° 41' 24.50", W104° 37' 15.50"	11.0 E	130	5780	116.3	FQF FAA 910284-14	
ESV:		Bearing [True]: 6.0° to 48.0° Bearing [Mag]: 355.0° to 37.0°				Arc Distance: Out to 88.0 NM Altitude: 10500.0 to 20300.0 ft		

DME DME Assessment Results for AALLE4 path PORDR_HIMOM

