

DME DME Assessment Results for FILPZ4 path FILPZ_FISHN

Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Mark J-CTR Dillon
Project File:	C:\Users\mark j-ctr dillon\Documents\TARGETS PROJECTS\CLT\CLT ACRI\KCLT FILPZ4\KCLT FILPZ4 (RNAV) STAR 230726.tgs
Output File:	C:\Users\mark j-ctr dillon\Documents\TARGETS PROJECTS\CLT\CLT ACRI\KCLT FILPZ4\DME\KCLT [IFPA] FILPZ4 20230726_1217 EDT\FILPZ_FISHN\KCLT FILPZ4 RNAV STAR FILPZ FISHN 20230726_1217 EDT.pdf
Procedure Name:	FILPZ4
Software: DmeDmePlugin:	7.1.1
Date/Time:	07/26/2023 12:17 EDT
Databases:	DTED 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
FILPZ	WP	N35° 34' 31.56", W082° 03' 40.14"	11000	VNAV	270	FLY_BY	TF
GLAXI	WP	N35° 31' 06.09", W081° 44' 52.96"	11000	VNAV	250	FLY_BY	TF
JOBOT	WP	N35° 29' 24.88", W081° 35' 38.45"	9000	VNAV	250	FLY_BY	TF
ERHRT	WP	N35° 30' 08.91", W081° 28' 08.86"	6000	VNAV	250	FLY_BY	TF
FISHN	WP	N35° 31' 41.80", W081° 12' 07.07"	6000	VNAV	210	FLY_OVER	TF

Flyability

Flight Type:	RNAV STAR
Selected Airport:	KCLT [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 FILPZ4 path FILPZ_FISHN

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, TACAN
DME Include Angles:	30 to 150
Critical DMEs:	Not 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	BZM	N35° 52' 07.87", W081° 14' 25.90"	6.0 W	130	H	IFPA	NO	Enabled	80.7 %	79.7 %
2	SPA	N35° 02' 01.05", W081° 55' 37.24"	2.0 W	130	H	IFPA	NO	Enabled	72.2 %	72.9 %
3	CTF	N34° 39' 01.79", W080° 16' 29.70"	3.0 W	130	DH	IFPA	NO	Enabled	98 %	98.1 %
4	CLT	N35° 11' 25.70", W080° 57' 07.18"	5.0 W	40	L	IFPA	NO	Enabled	49.4 %	48.1 %
5	SUG	N35° 24' 23.42", W082° 16' 07.01"	2.0 W	40	L	IFPA	NO	Enabled	68.7 %	69.5 %

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	SUG	SPA	CTF			
8.7	SUG	SPA	BZM	CTF		
20.8	CLT	SPA	BZM	CTF	SUG	
29.3	CLT	SPA	BZM	SUG		
29.8	CLT	SPA	BZM			
30.1	CLT	SPA	BZM	CTF		
31.3	CLT	BZM	CTF			
41.5	CTF	BZM				

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

Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
FILPZ	GLAXI	SUG, CTF, BZM, SPA	
GLAXI	JOBOT	SUG, CTF, BZM, SPA, CLT	
JOBOT	ERHRT	SUG, CTF, BZM, SPA, CLT	
ERHRT	FISHN	SUG, BZM, CTF, SPA, CLT	

DME DME Assessment Results for FILPZ4 path FILPZ_FISHN

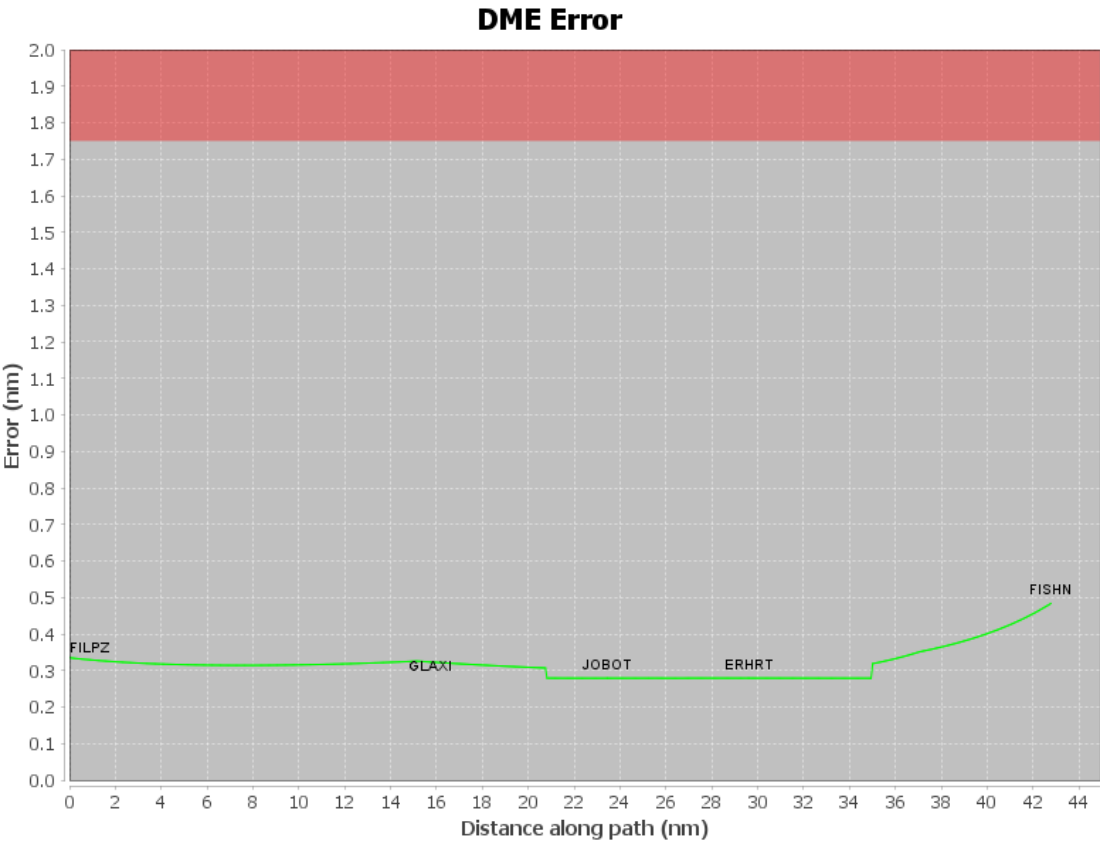
User Data Files

File Name

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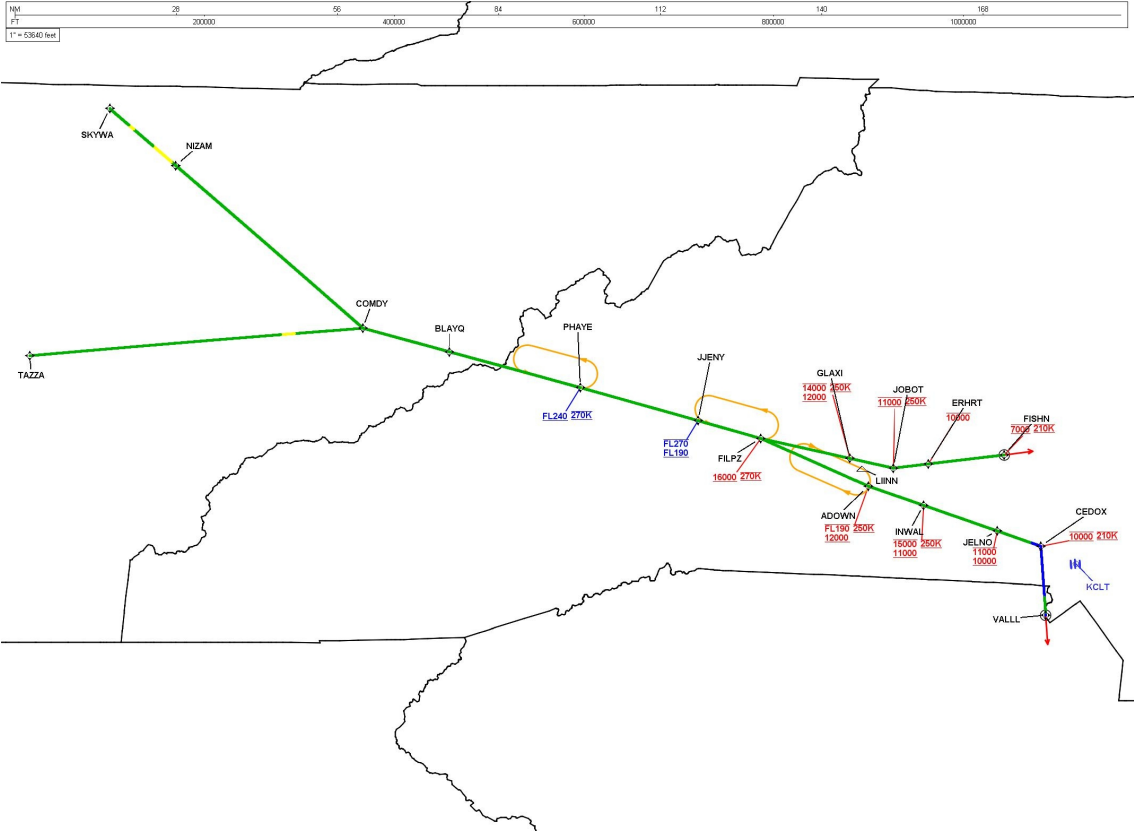
User DMEs

#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	RMG FAA 755481-065 RMG [IFPA]	N34° 09' 45.23", W085° 07' 09.87"	1.0 E	130	1147.8	115.4	RMG FAA 755481-065	
ESV:		Bearing [True]: 10.0° to 35.0° Bearing [Mag]: 9.0° to 34.0°				Arc Distance: Out to 125.0 NM Altitude: 13000.0 to 18000.0 ft		
2	BNA FAA 698156-052 BNA [IFPA]	N36° 08' 13.06", W086° 41' 05.18"	2.0 W	130	566.4	114.1	BNA FAA 698156-052	
ESV:		Bearing [True]: 76.0° to 84.0° Bearing [Mag]: 78.0° to 86.0°				Arc Distance: Out to 124.0 NM Altitude: 13000.0 to 18000.0 ft		
3	ODF FAA 090551-044 ODF [IFPA]	N34° 41' 45.14", W083° 17' 51.58"	0.0 E	130	1700	113.4	ODF FAA 090551-044	
ESV:		Bearing [True]: 3.0° to 49.0° Bearing [Mag]: 3.0° to 49.0°				Arc Distance: Out to 81.0 NM Altitude: 11000.0 to 18000.0 ft		
4	LVT FAA 210523-006 LVT [IFPA]	N36° 35' 04.23", W085° 09' 59.84"	2.0 W	40	1020	114.35	LVT FAA 210523-006	
ESV:		Bearing [True]: 64.0° to 103.0° Bearing [Mag]: 66.0° to 105.0°				Arc Distance: Out to 50.0 NM Altitude: 9500.0 to 24000.0 ft		
5	SPA FAA 704218-018 SPA [IFPA]	N35° 02' 01.05", W081° 55' 37.24"	2.0 W	130	935.4	115.7	SPA FAA 704218-018	
ESV:		Bearing [True]: 243.0° to 338.0° Bearing [Mag]: 245.0° to 340.0°				Arc Distance: Out to 105.0 NM Altitude: 11000.0 to 20000.0 ft		
6	GQO FAA 110610-036 GQO [IFPA]	N34° 57' 40.59", W085° 09' 12.13"	0.0 E	130	1013.6	null	GQO FAA 110610-036	
ESV:		Bearing [True]: 19.0° to 58.0° Bearing [Mag]: 19.0° to 58.0°				Arc Distance: Out to 106.0 NM Altitude: 13000.0 to 18000.0 ft		



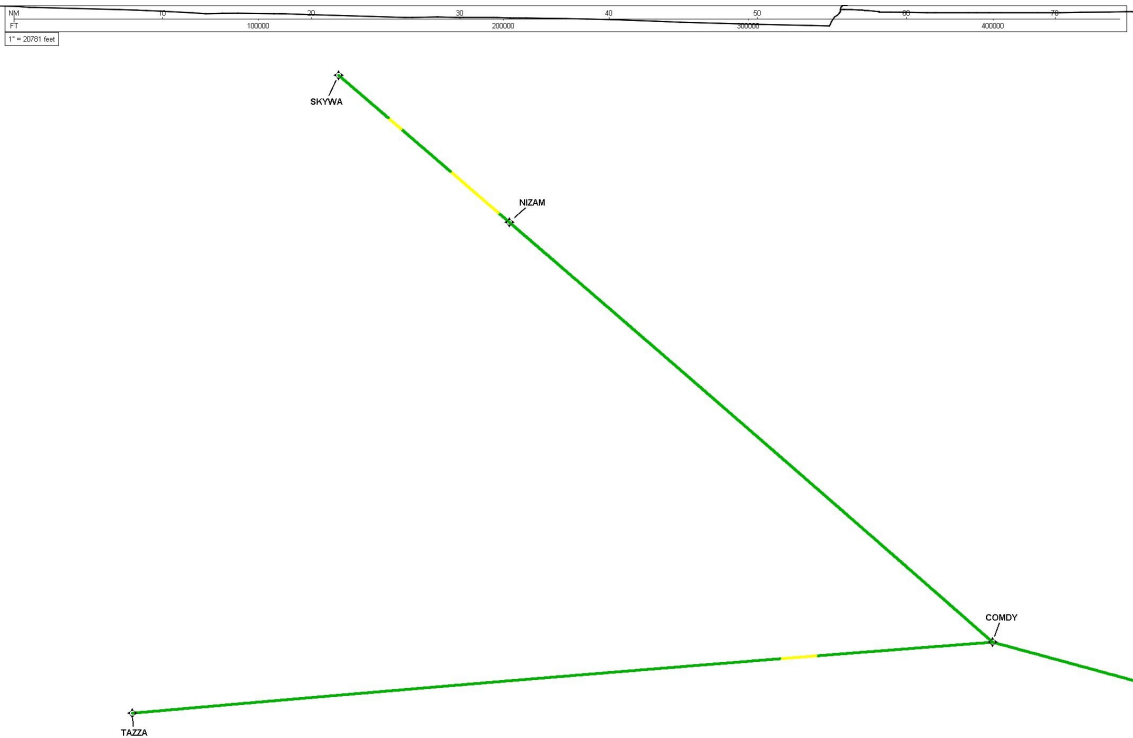
DME DME Assessment Results for FILPZ4 path FILPZ_FISHN

Graphic Depiction 1



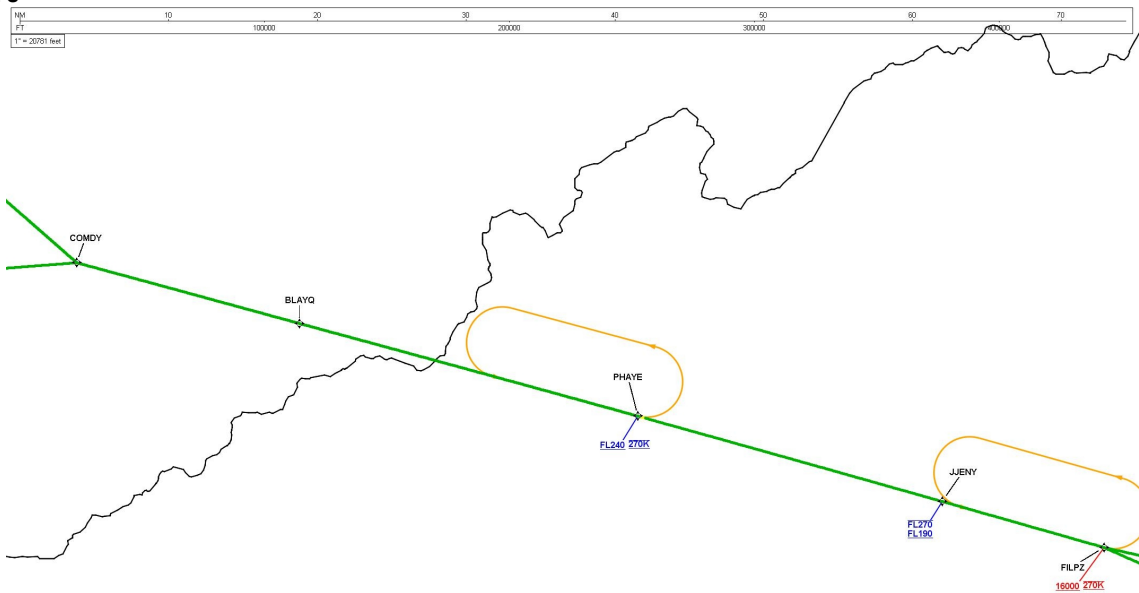
DME DME Assessment Results for FILPZ4 path FILPZ_FISHN

Graphic Depiction 2



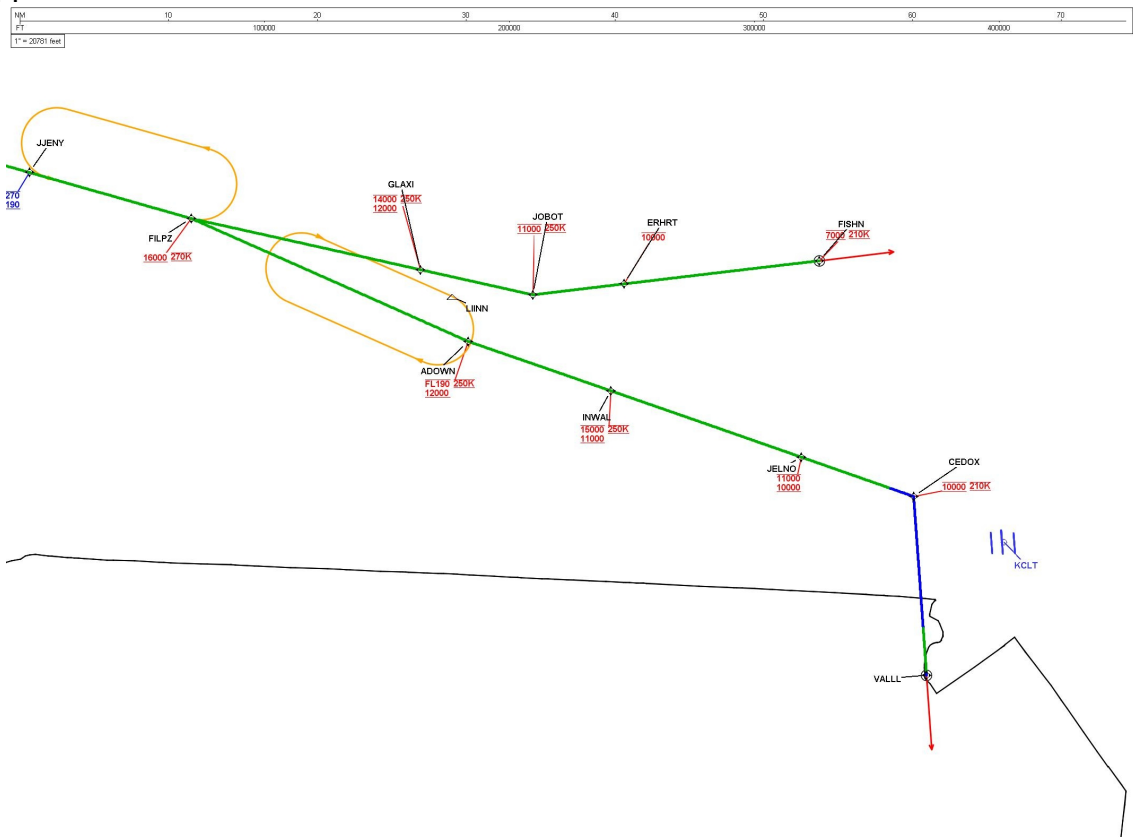
DME DME Assessment Results for FILPZ4 path FILPZ_FISHN

Graphic Depiction 3



DME DME Assessment Results for FILPZ4 path FILPZ_FISHN

Graphic Depiction 4



DME DME Assessment Results for FILPZ4 path SKYWA_VALLL

Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Mark J-CTR Dillon
Project File:	C:\Users\mark j-ctr dillon\Documents\TARGETS PROJECTS\CLT\CLT ACRI\KCLT FILPZ4\KCLT FILPZ4 (RNAV) STAR 230726.tgs
Output File:	C:\Users\mark j-ctr dillon\Documents\TARGETS PROJECTS\CLT\CLT ACRI\KCLT FILPZ4\DME\KCLT [IFPA] FILPZ4 20230726_1217 EDT\SKYWA_VALLL\KCLT FILPZ4 RNAV STAR SKYWA VALLL 20230726_1217 EDT.pdf
Procedure Name:	FILPZ4
Software: DmeDmePlugin:	7.1.1
Date/Time:	07/26/2023 12:17 EDT
Databases:	DTED 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
SKYWA	WP	N36° 31' 37.31", W084° 21' 42.40"	13000	VNAV	270	FLY_BY	TF
NIZAM	WP	N36° 21' 46.96", W084° 07' 43.06"	13000	VNAV	270	FLY_BY	TF
COMDY	WP	N35° 53' 37.26", W083° 28' 01.28"	13000	VNAV	270	FLY_BY	TF
BLAYQ	WP	N35° 49' 32.60", W083° 09' 43.09"	13000	VNAV	270	FLY_BY	TF
PHAYE	WP	N35° 43' 20.41", W082° 41' 57.66"	13000	VNAV	270	FLY_BY	TF
JJENY	WP	N35° 37' 36.86", W082° 16' 57.77"	11000	VNAV	270	FLY_BY	TF
FILPZ	WP	N35° 34' 31.56", W082° 03' 40.14"	11000	VNAV	270	FLY_BY	TF
ADOWN	WP	N35° 26' 17.14", W081° 40' 55.87"	11000	VNAV	250	FLY_BY	TF
INWAL	WP	N35° 22' 58.84", W081° 29' 14.35"	10000	VNAV	250	FLY_BY	TF
JELNO	WP	N35° 18' 31.95", W081° 13' 35.92"	9000	VNAV	250	FLY_BY	TF
CEDOX	WP	N35° 15' 53.64", W081° 04' 22.20"	9000	VNAV	210	FLY_BY	TF
VALLL	WP	N35° 03' 54.40", W081° 03' 18.39"	6000	VNAV	210	FLY_OVER	TF

DME DME Assessment Results for FILPZ4 path SKYWA_VALLL

Flyability	
Flight Type:	RNAV STAR
Selected Airport:	KCLT [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, TACAN
DME Include Angles:	30 to 150
Critical DMEs:	Not 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 FILPZ4 path SKYWA_VALLL

DME/DME (Continued)										
DMEs Used										
#	Name	Lat/Lon	MAGVAR	Range	Type	Source	Critical	Status	Time	Distance
1	SPA	N35° 02' 01.05", W081° 55' 37.24"	2.0 W	130	H	IFPA	NO	Enabled	62.5 %	63.5 %
2	LVT	N36° 35' 04.23", W085° 09' 59.84"	2.0 W	40	L	IFPA	NO	Enabled	2.9 %	2.9 %
3	CTF	N34° 39' 01.79", W080° 16' 29.70"	3.0 W	130	DH	IFPA	NO	Enabled	33.9 %	33.3 %
4	CLT	N35° 11' 25.70", W080° 57' 07.18"	5.0 W	40	L	IFPA	NO	Enabled	17.4 %	16.4 %
5	VXV	N35° 54' 17.42", W083° 53' 40.99"	3.0 W	130	H	IFPA	NO	Enabled	27.3 %	28.1 %
6	BZM	N35° 52' 07.87", W081° 14' 25.90"	6.0 W	130	H	IFPA	NO	Enabled	20 %	19.4 %
7	BNA	N36° 08' 13.06", W086° 41' 05.18"	2.0 W	130	H	IFPA	NO	Enabled	6.1 %	6.2 %
8	LOZ	N37° 01' 59.34", W084° 06' 36.27"	3.0 W	130	H	IFPA	NO	Enabled	6.5 %	6.7 %
9	GQO	N34° 57' 40.59", W085° 09' 12.13"	0.0 E	130	H	IFPA	NO	Enabled	23.7 %	24.5 %
10	SOT	N35° 47' 24.36", W083° 03' 08.53"	4.0 W	40	L	IFPA	NO	Enabled	31.2 %	32.2 %
11	HCH	N35° 46' 51.65", W084° 58' 42.43"	2.0 W	130	DH	IFPA	NO	Enabled	48.8 %	50.3 %
12	ODF	N34° 41' 45.14", W083° 17' 51.58"	0.0 E	130	H	IFPA	NO	Enabled	25.8 %	26.6 %
13	SUG	N35° 24' 23.42", W082° 16' 07.01"	2.0 W	40	L	IFPA	NO	Enabled	37.8 %	38.5 %

DME DME Assessment Results for FILPZ4 path SKYWA_VALLL

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	LVT	LOZ	HCH	GQO	BNA	
5.5	VXV	HCH	BNA	LOZ	GQO	
8.8	VXV	HCH	BNA	GQO		
9.9	VXV	HCH	LOZ			
11.7	LVT	LOZ	VXV	HCH	GQO	BNA
12.0	VXV	HCH	BNA	LOZ	GQO	
14.1	VXV	HCH	GQO			
31.4	VXV	HCH				
39.0	VXV	SOT	HCH			
42.1	VXV	SOT	GQO	HCH		
44.4	VXV	SOT	GQO	SPA	HCH	
53.1	GQO	SOT	SPA	HCH		
60.0	SPA	HCH				
70.9	ODF	VXV	SOT	HCH	SPA	
75.3	ODF	VXV	HCH	SPA		
76.6	ODF	HCH	SPA			
81.8	ODF	SOT	SPA	HCH		
85.5	ODF	SOT	SUG	SPA	HCH	
97.1	ODF	SOT	SUG	SPA		
117.8	SUG	SOT	ODF	SPA	CTF	
118.1	SUG	SOT	ODF	CTF		
118.7	ODF	CTF	SUG			
122.3	SUG	CTF	SPA			
141.8	SUG	SPA	CTF	BZM		
148.4	CLT	SPA	BZM	CTF	SUG	
159.9	CLT	BZM	CTF	SPA		
171.3	CLT	BZM	CTF			
177.1	CTF	BZM				
179.2						
189.7	CTF	CLT				
192.7						

Inertial Drift Segments			
#	Start Location	End Location	Length [NM]
1	N35° 16' 27.82", W081° 06' 21.49"	N35° 07' 06.43", W081° 03' 35.40"	10.5165
2	N35° 04' 08.37", W081° 03' 19.63"	N35° 03' 54.40", W081° 03' 18.39"	0.233

Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
SKYWA	NIZAM	BNA, GQO, VXV, LOZ, LVT, HCH	
NIZAM	COMDY	GQO, VXV, SPA, SOT, HCH	
COMDY	BLAYQ	ODF, GQO, SPA, VXV, SOT, HCH	
BLAYQ	PHAYE	ODF, SUG, VXV, SPA, SOT, HCH	
PHAYE	JJENY	ODF, SUG, SPA, SOT, HCH	
JJENY	FILPZ	ODF, SUG, CTF, SPA, SOT	
FILPZ	ADOWN	SUG, CTF, BZM, SPA, CLT	
ADOWN	INWAL	SUG, BZM, CTF, SPA, CLT	
INWAL	JELNO	SUG, BZM, CTF, SPA, CLT	
JELNO	CEDOX	CTF, BZM, CLT	
CEDOX	VALLL	CTF, CLT	

DME DME Assessment Results for FILPZ4 path SKYWA_VALLL

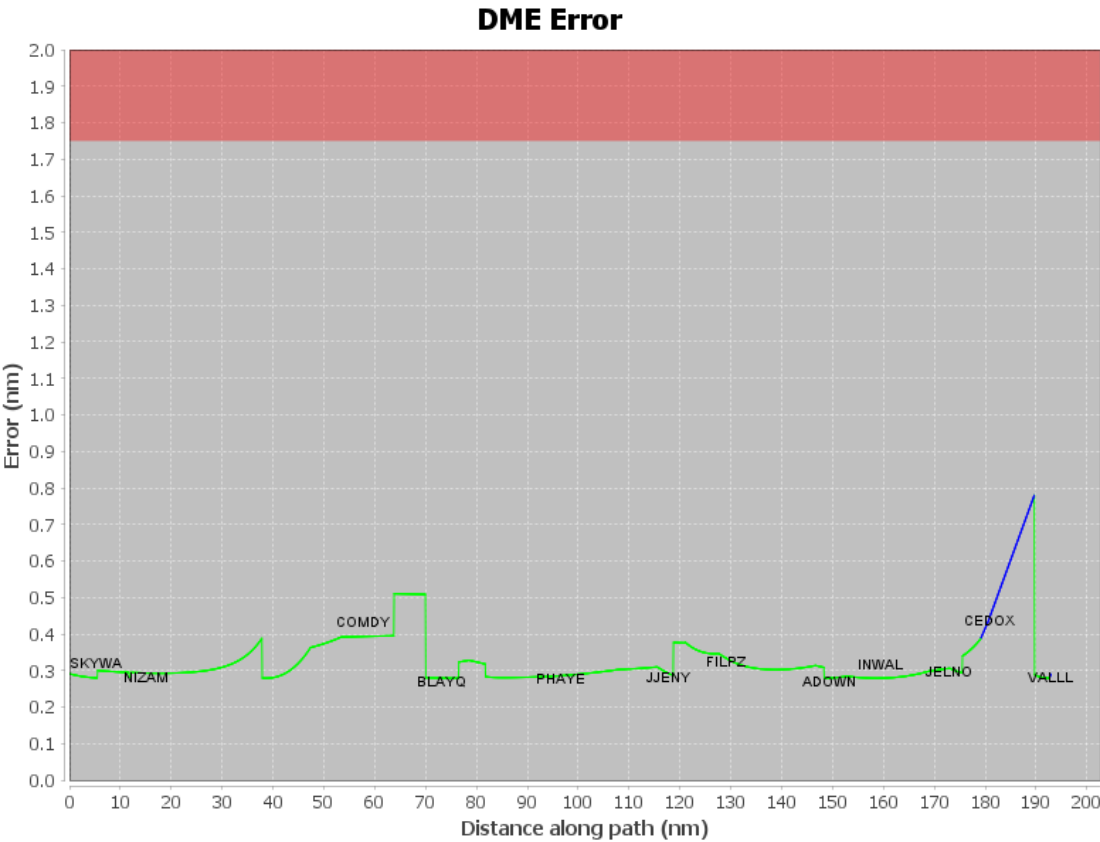
User Data Files

File Name

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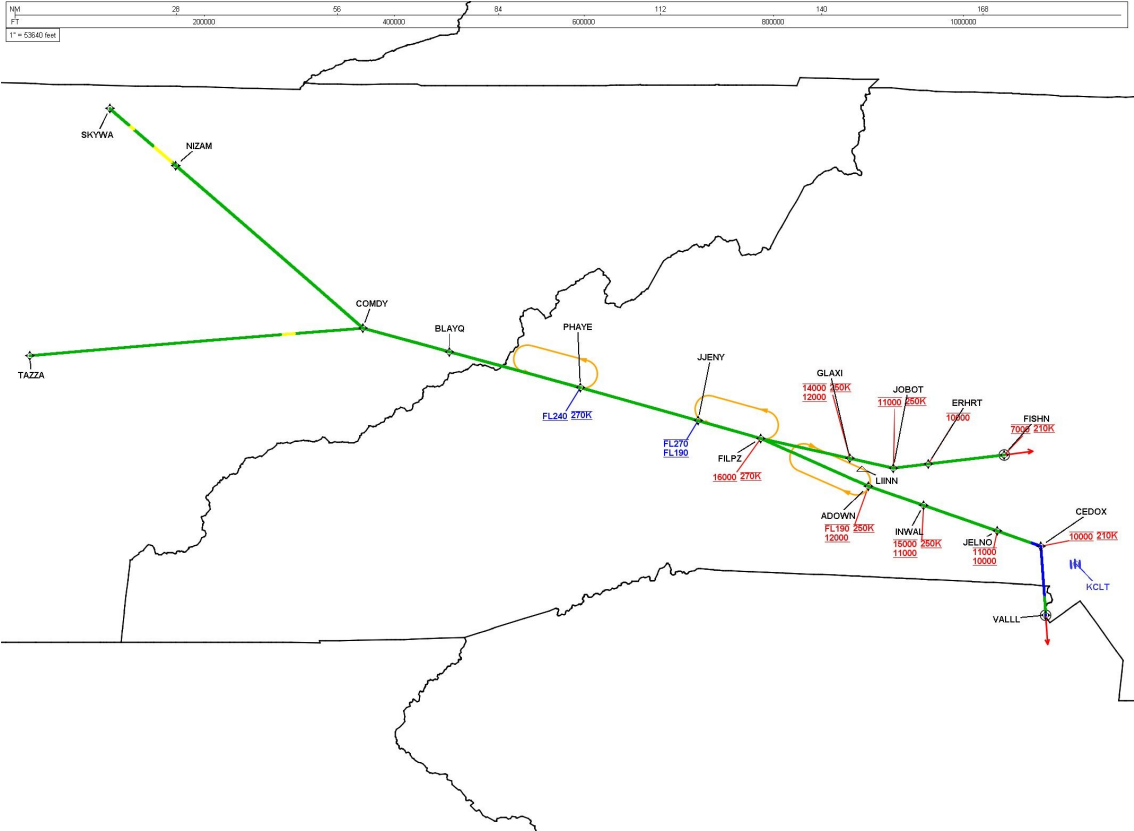
User DMEs

#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	RMG FAA 755481-065 RMG [IFPA]	N34° 09' 45.23", W085° 07' 09.87"	1.0 E	130	1147.8	115.4	RMG FAA 755481-065	
ESV:		Bearing [True]: 10.0° to 35.0° Bearing [Mag]: 9.0° to 34.0°				Arc Distance: Out to 125.0 NM Altitude: 13000.0 to 18000.0 ft		
2	BNA FAA 698156-052 BNA [IFPA]	N36° 08' 13.06", W086° 41' 05.18"	2.0 W	130	566.4	114.1	BNA FAA 698156-052	
ESV:		Bearing [True]: 76.0° to 84.0° Bearing [Mag]: 78.0° to 86.0°				Arc Distance: Out to 124.0 NM Altitude: 13000.0 to 18000.0 ft		
3	ODF FAA 090551-044 ODF [IFPA]	N34° 41' 45.14", W083° 17' 51.58"	0.0 E	130	1700	113.4	ODF FAA 090551-044	
ESV:		Bearing [True]: 3.0° to 49.0° Bearing [Mag]: 3.0° to 49.0°				Arc Distance: Out to 81.0 NM Altitude: 11000.0 to 18000.0 ft		
4	LVT FAA 210523-006 LVT [IFPA]	N36° 35' 04.23", W085° 09' 59.84"	2.0 W	40	1020	114.35	LVT FAA 210523-006	
ESV:		Bearing [True]: 64.0° to 103.0° Bearing [Mag]: 66.0° to 105.0°				Arc Distance: Out to 50.0 NM Altitude: 9500.0 to 24000.0 ft		
5	SPA FAA 704218-018 SPA [IFPA]	N35° 02' 01.05", W081° 55' 37.24"	2.0 W	130	935.4	115.7	SPA FAA 704218-018	
ESV:		Bearing [True]: 243.0° to 338.0° Bearing [Mag]: 245.0° to 340.0°				Arc Distance: Out to 105.0 NM Altitude: 11000.0 to 20000.0 ft		
6	GQO FAA 110610-036 GQO [IFPA]	N34° 57' 40.59", W085° 09' 12.13"	0.0 E	130	1013.6	null	GQO FAA 110610-036	
ESV:		Bearing [True]: 19.0° to 58.0° Bearing [Mag]: 19.0° to 58.0°				Arc Distance: Out to 106.0 NM Altitude: 13000.0 to 18000.0 ft		



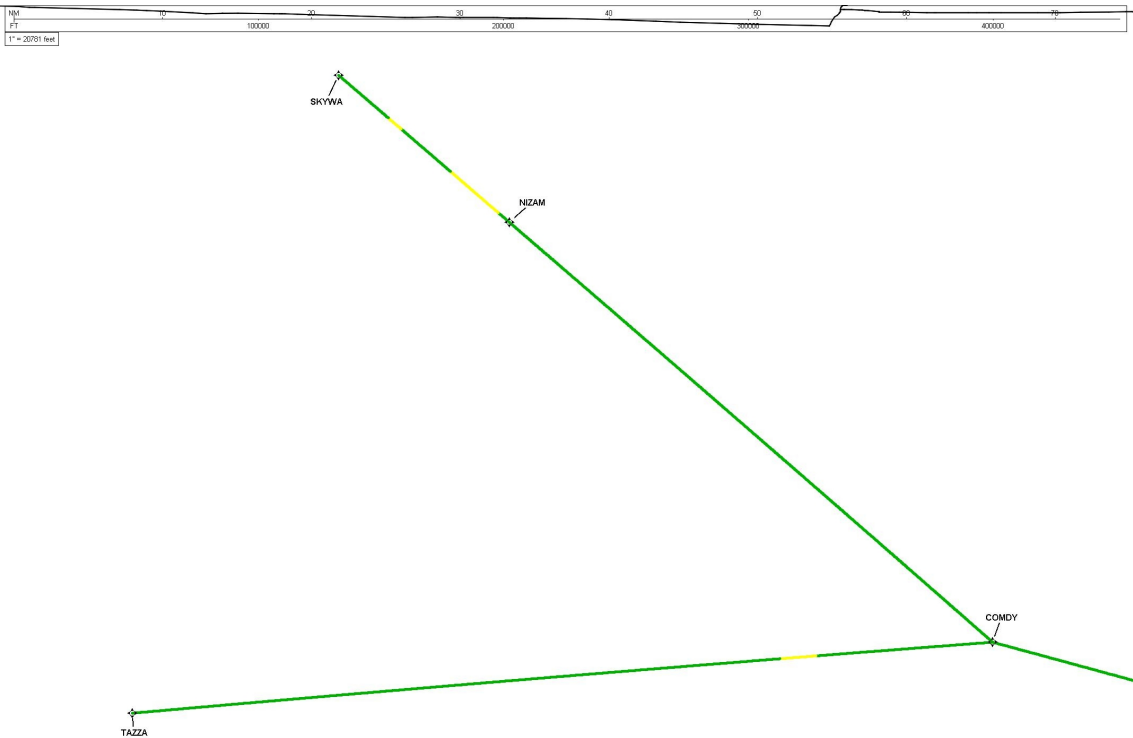
DME DME Assessment Results for FILPZ4 path SKYWA_VALLL

Graphic Depiction 1



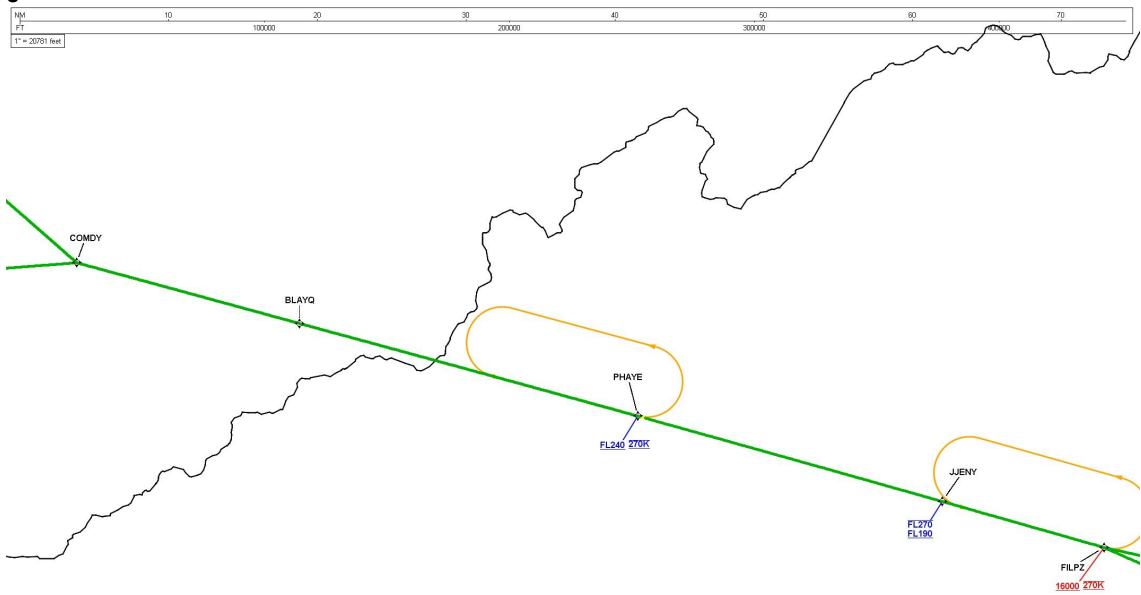
DME DME Assessment Results for FILPZ4 path SKYWA_VALLL

Graphic Depiction 2



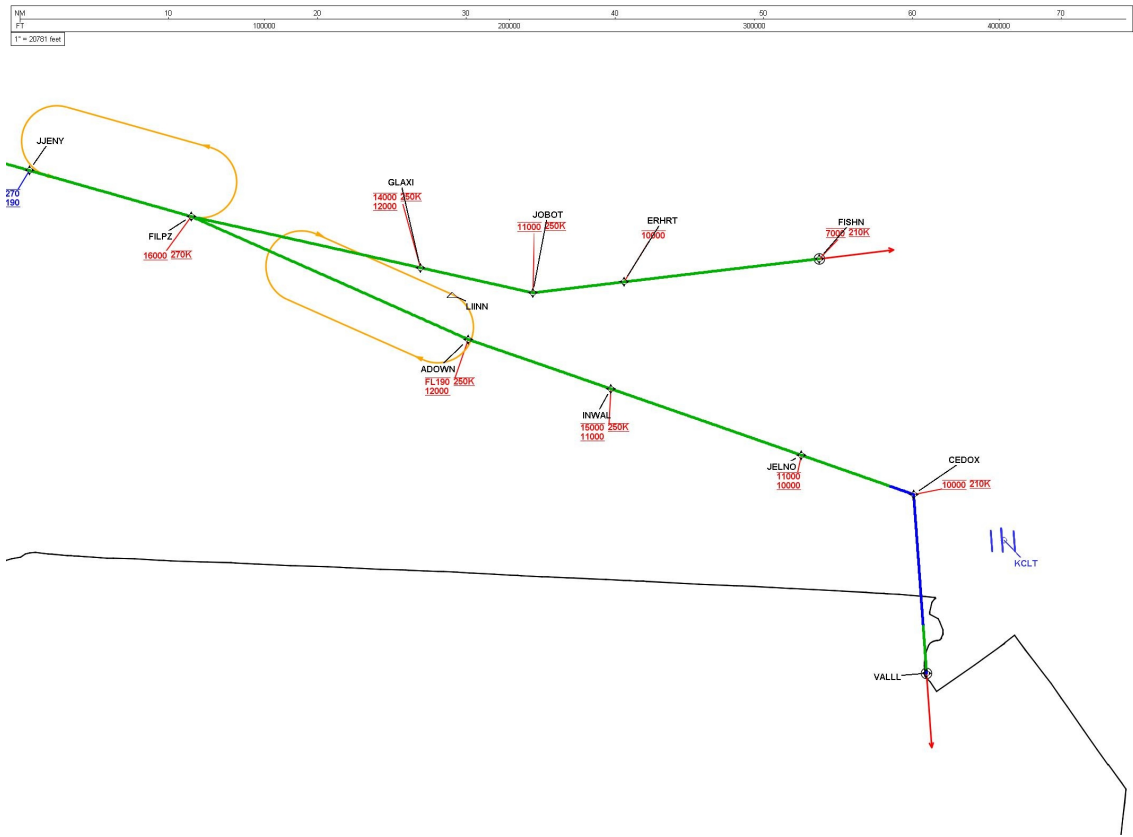
DME DME Assessment Results for FILPZ4 path SKYWA_VALLL

Graphic Depiction 3



DME DME Assessment Results for FILPZ4 path SKYWA_VALLL

Graphic Depiction 4



DME DME Assessment Results for FILPZ4 path TAZZA_COMDY

Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Mark J-CTR Dillon
Project File:	C:\Users\mark j-ctr dillon\Documents\TARGETS PROJECTS\CLT\CLT ACRI\KCLT FILPZ4\KCLT FILPZ4 (RNAV) STAR 230726.tgs
Output File:	C:\Users\mark j-ctr dillon\Documents\TARGETS PROJECTS\CLT\CLT ACRI\KCLT FILPZ4\DME\KCLT [IFPA] FILPZ4 20230726_1217 EDT\TAZZA_COMDY\KCLT FILPZ4 RNAV STAR TAZZA COMDY 20230726_1217 EDT.pdf
Procedure Name:	FILPZ4
Software: DmeDmePlugin:	7.1.1
Date/Time:	07/26/2023 12:17 EDT
Databases:	DTED 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
TAZZA	WP	N35° 48' 51.72", W084° 38' 38.87"	13000	VNAV	270	FLY_BY	TF
COMDY	WP	N35° 53' 37.26", W083° 28' 01.28"	13000	VNAV	270	FLY_BY	TF

Flyability

Flight Type:	RNAV STAR
Selected Airport:	KCLT [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 FILPZ4 path TAZZA_COMDY

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, TACAN
DME Include Angles:	30 to 150
Critical DMEs:	Not 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	SPA	N35° 02' 01.05", W081° 55' 37.24"	2.0 W	130	H	IFPA	NO	Enabled	24.6 %	24.6 %
2	GQO	N34° 57' 40.59", W085° 09' 12.13"	0.0 E	130	H	IFPA	NO	Enabled	100 %	100 %
3	SOT	N35° 47' 24.36", W083° 03' 08.53"	4.0 W	40	L	IFPA	NO	Enabled	32.2 %	32.2 %
4	HCH	N35° 46' 51.65", W084° 58' 42.43"	2.0 W	130	DH	IFPA	NO	Enabled	100 %	100 %
5	RMG	N34° 09' 45.23", W085° 07' 09.87"	1.0 E	130	H	IFPA	NO	Enabled	77 %	77 %
6	VXV	N35° 54' 17.42", W083° 53' 40.99"	3.0 W	130	H	IFPA	NO	Enabled	52.3 %	52.3 %

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	GQO	HCH	VXV	RMG		
25.2	RMG	HCH	GQO			
33.2	RMG	HCH	GQO	VXV		
34.5	RMG	HCH	GQO			
39.0	RMG	SOT	GQO	HCH		
39.4	RMG	SOT	GQO	HCH	VXV	
39.5	RMG	SOT	GQO	HCH		
40.6	RMG	VXV	SOT	GQO	HCH	
42.1	GQO	SOT	HCH			
43.4	GQO	VXV	SPA	RMG	SOT	HCH
45.8	SPA	GQO	SOT	HCH		

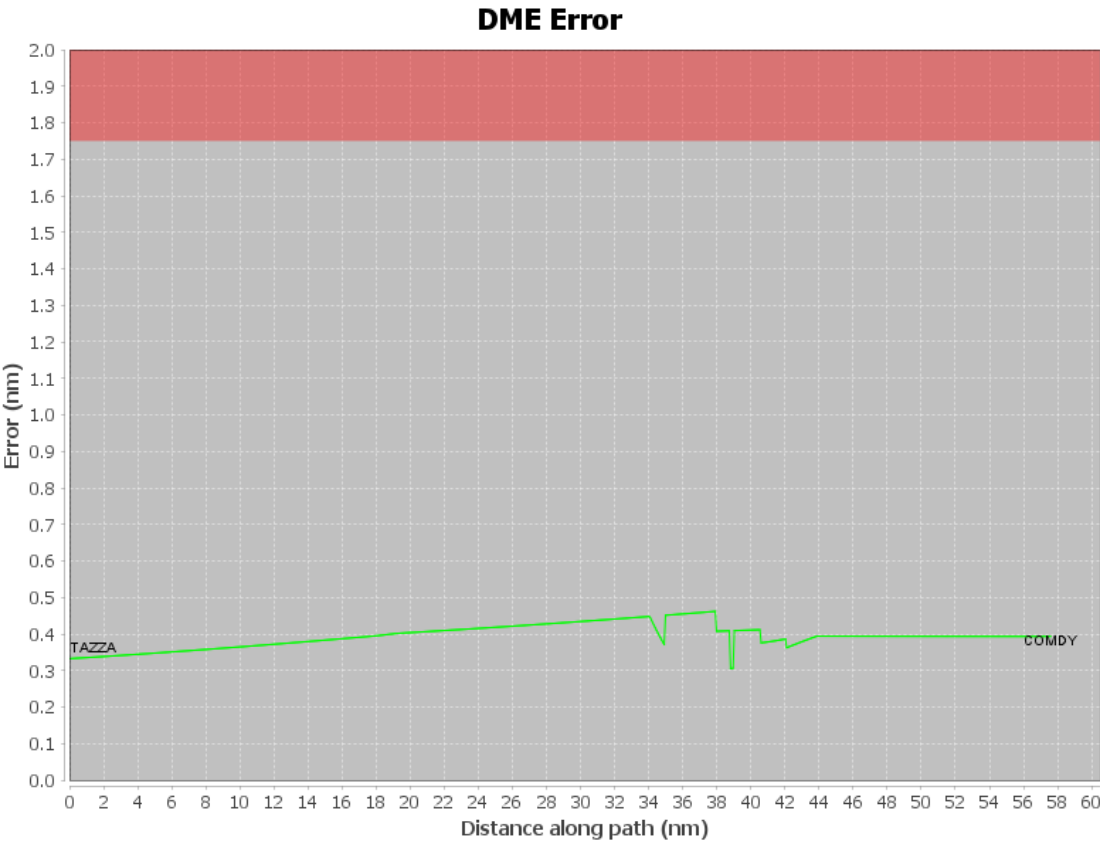
Inertial Drift Segments			
#	Start Location	End Location	Length [NM]

DME DME Assessment Results for FILPZ4 path TAZZA_COMDY

Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
TAZZA	COMDY	GQO, VXV, SPA, SOT, HCH, RMG	

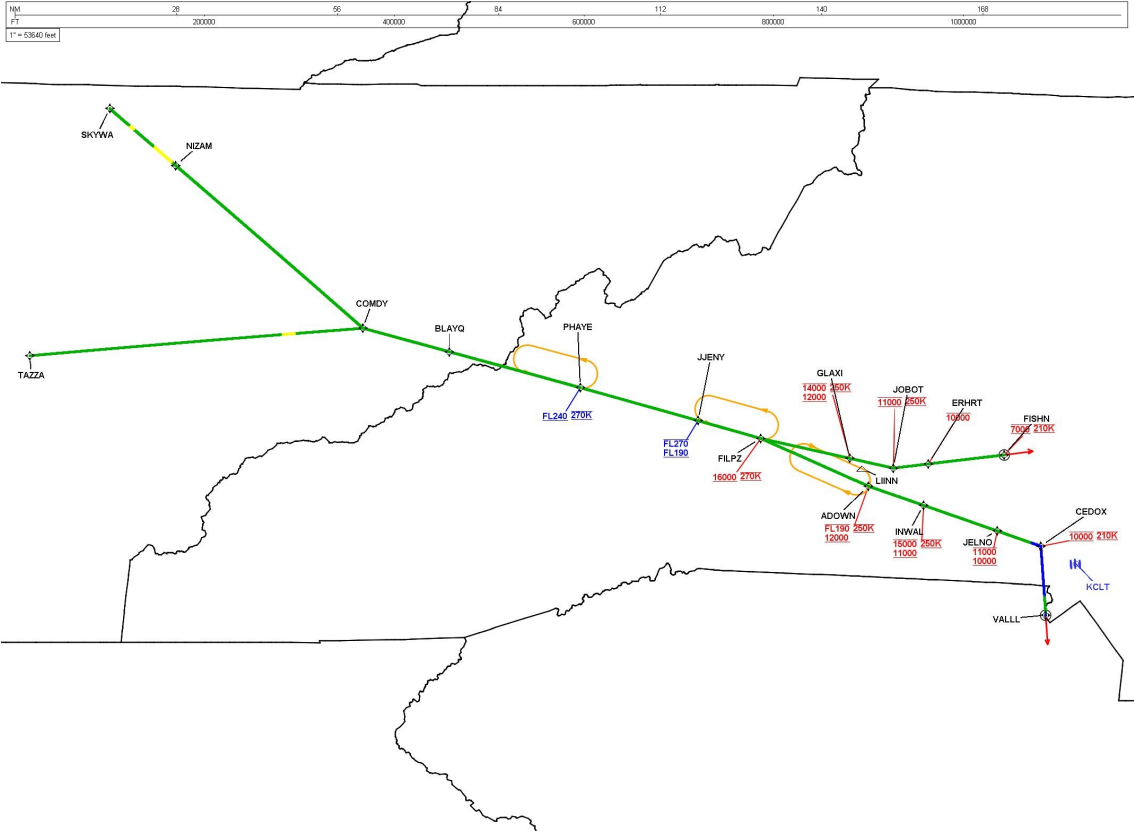
User Data Files								
#	File Name							
None								
User DMEs								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	RMG FAA 755481-065 RMG [IFPA]	N34° 09' 45.23", W085° 07' 09.87"	1.0 E	130	1147.8	115.4	RMG FAA 755481-065	
ESV:		Bearing [True]: 10.0° to 35.0° Bearing [Mag]: 9.0° to 34.0°				Arc Distance: Out to 125.0 NM Altitude: 13000.0 to 18000.0 ft		
2	BNA FAA 698156-052 BNA [IFPA]	N36° 08' 13.06", W086° 41' 05.18"	2.0 W	130	566.4	114.1	BNA FAA 698156-052	
ESV:		Bearing [True]: 76.0° to 84.0° Bearing [Mag]: 78.0° to 86.0°				Arc Distance: Out to 124.0 NM Altitude: 13000.0 to 18000.0 ft		
3	ODF FAA 090551-044 ODF [IFPA]	N34° 41' 45.14", W083° 17' 51.58"	0.0 E	130	1700	113.4	ODF FAA 090551-044	
ESV:		Bearing [True]: 3.0° to 49.0° Bearing [Mag]: 3.0° to 49.0°				Arc Distance: Out to 81.0 NM Altitude: 11000.0 to 18000.0 ft		
4	LVT FAA 210523-006 LVT [IFPA]	N36° 35' 04.23", W085° 09' 59.84"	2.0 W	40	1020	114.35	LVT FAA 210523-006	
ESV:		Bearing [True]: 64.0° to 103.0° Bearing [Mag]: 66.0° to 105.0°				Arc Distance: Out to 50.0 NM Altitude: 9500.0 to 24000.0 ft		
5	SPA FAA 704218-018 SPA [IFPA]	N35° 02' 01.05", W081° 55' 37.24"	2.0 W	130	935.4	115.7	SPA FAA 704218-018	
ESV:		Bearing [True]: 243.0° to 338.0° Bearing [Mag]: 245.0° to 340.0°				Arc Distance: Out to 105.0 NM Altitude: 11000.0 to 20000.0 ft		
6	GQO FAA 110610-036 GQO [IFPA]	N34° 57' 40.59", W085° 09' 12.13"	0.0 E	130	1013.6	null	GQO FAA 110610-036	
ESV:		Bearing [True]: 19.0° to 58.0° Bearing [Mag]: 19.0° to 58.0°				Arc Distance: Out to 106.0 NM Altitude: 13000.0 to 18000.0 ft		

DME DME Assessment Results for FILPZ4 path TAZZA_COMDY



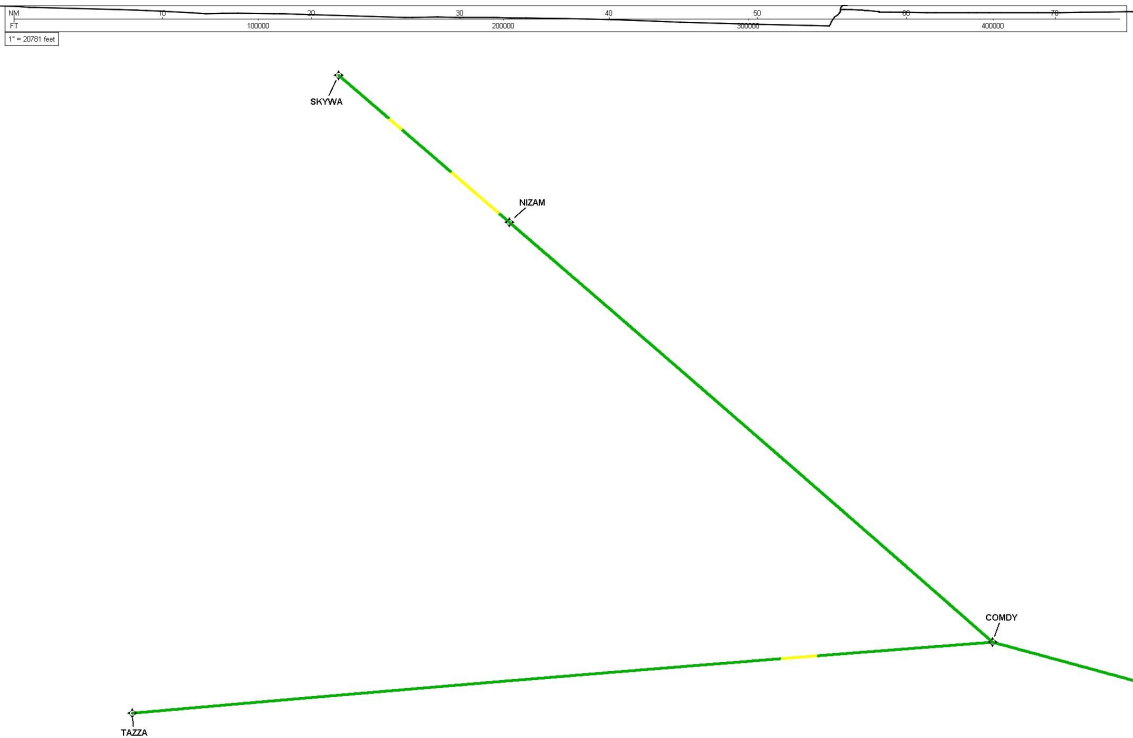
DME DME Assessment Results for FILPZ4 path TAZZA_COMDY

Graphic Depiction 1



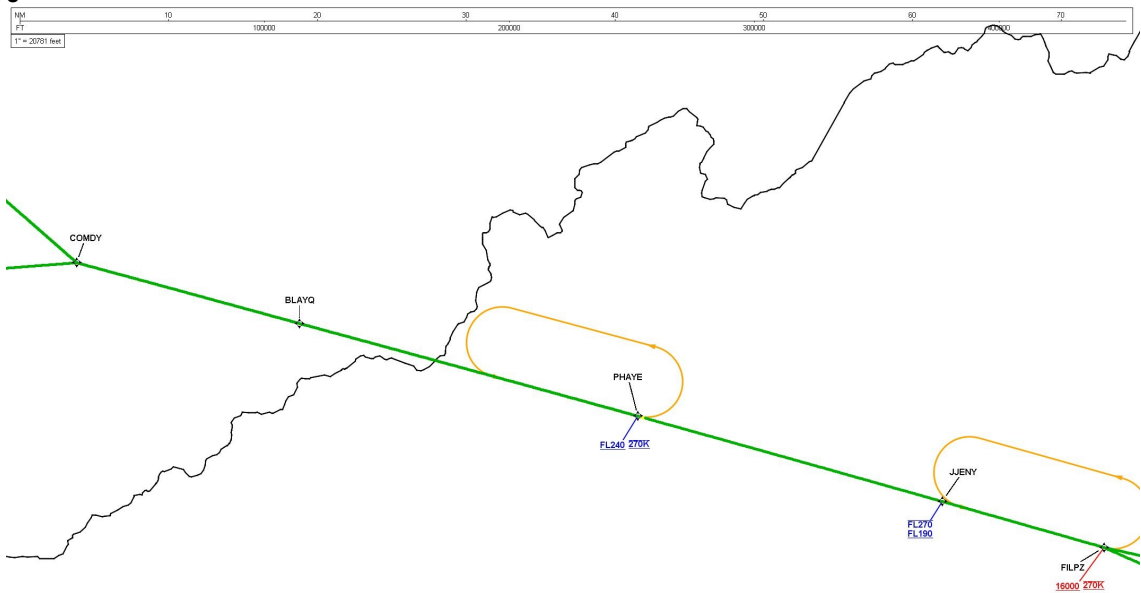
DME DME Assessment Results for FILPZ4 path TAZZA_COMDY

Graphic Depiction 2



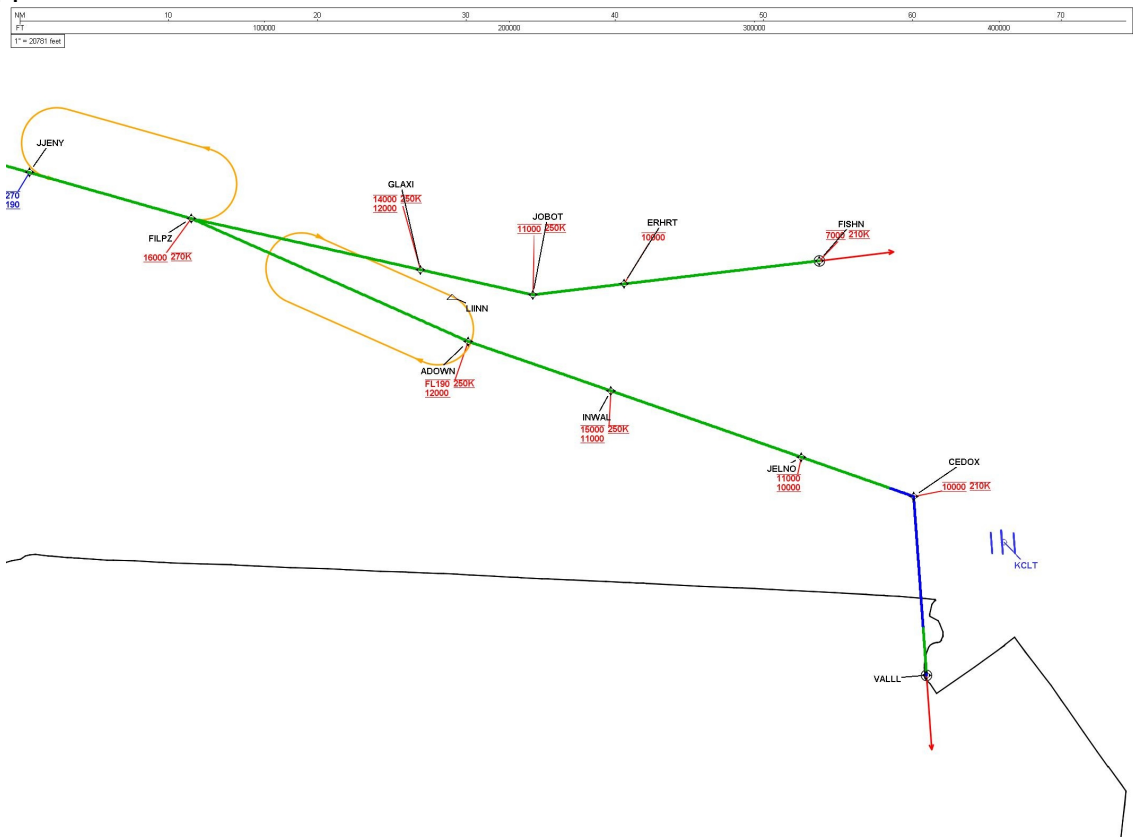
DME DME Assessment Results for FILPZ4 path TAZZA_COMDY

Graphic Depiction 3



DME DME Assessment Results for FILPZ4 path TAZZA_COMDY

Graphic Depiction 4



DME DME Assessment Results for FILPZ4 path COMDY_TAZZA

Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Mark J-CTR Dillon
Project File:	C:\Users\mark j-ctr dillon\Documents\TARGETS PROJECTS\CLT\CLT ACRI\KCLT FILPZ4\KCLT FILPZ4 (RNAV) STAR 230726.tgs
Output File:	C:\Users\mark j-ctr dillon\Documents\TARGETS PROJECTS\CLT\CLT ACRI\KCLT FILPZ4\DME\KCLT [IFPA] FILPZ4 20230726_1217 EDT\COMDY_TAZZA\KCLT FILPZ4 RNAV STAR COMDY TAZZA 20230726_1217 EDT.pdf
Procedure Name:	FILPZ4
Software: DmeDmePlugin:	7.1.1
Date/Time:	07/26/2023 12:17 EDT
Databases:	DTED 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
COMDY	WP	N35° 53' 37.26", W083° 28' 01.28"	13000	VNAV	270	FLY_BY	TF
TAZZA	WP	N35° 48' 51.72", W084° 38' 38.87"	13000	VNAV	270	FLY_BY	TF

Flyability

Flight Type:	RNAV STAR
Selected Airport:	KCLT [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 FILPZ4 path COMDY_TAZZA

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, TACAN
DME Include Angles:	30 to 150
Critical DMEs:	Not 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	SPA	N35° 02' 01.05", W081° 55' 37.24"	2.0 W	130	H	IFPA	NO	Enabled	24.6 %	24.6 %
2	GQO	N34° 57' 40.59", W085° 09' 12.13"	0.0 E	130	H	IFPA	NO	Enabled	100 %	100 %
3	SOT	N35° 47' 24.36", W083° 03' 08.53"	4.0 W	40	L	IFPA	NO	Enabled	32.2 %	32.2 %
4	HCH	N35° 46' 51.65", W084° 58' 42.43"	2.0 W	130	DH	IFPA	NO	Enabled	100 %	100 %
5	RMG	N34° 09' 45.23", W085° 07' 09.87"	1.0 E	130	H	IFPA	NO	Enabled	77 %	77 %
6	VXV	N35° 54' 17.42", W083° 53' 40.99"	3.0 W	130	H	IFPA	NO	Enabled	52.3 %	52.3 %

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	SPA	GQO	SOT	HCH		
11.8	SPA	GQO	RMG	VXV	SOT	HCH
14.2	GQO	SOT	HCH			
15.6	RMG	VXV	SOT	GQO	HCH	
17.1	RMG	SOT	GQO	HCH		
18.2	RMG	SOT	GQO	HCH	VXV	
18.3	RMG	SOT	GQO	HCH		
18.7	RMG	HCH	GQO			
23.2	VXV	HCH	RMG	GQO		
24.5	RMG	HCH	GQO			
32.4	RMG	HCH	GQO	VXV		

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

DME DME Assessment Results for FILPZ4 path COMDY_TAZZA

Available DMEs by Waypoints

Waypoint Before	Waypoint After	DME List	Suggested DMEs
COMDY	TAZZA	GQO, SPA, VXV, SOT, HCH, RMG	

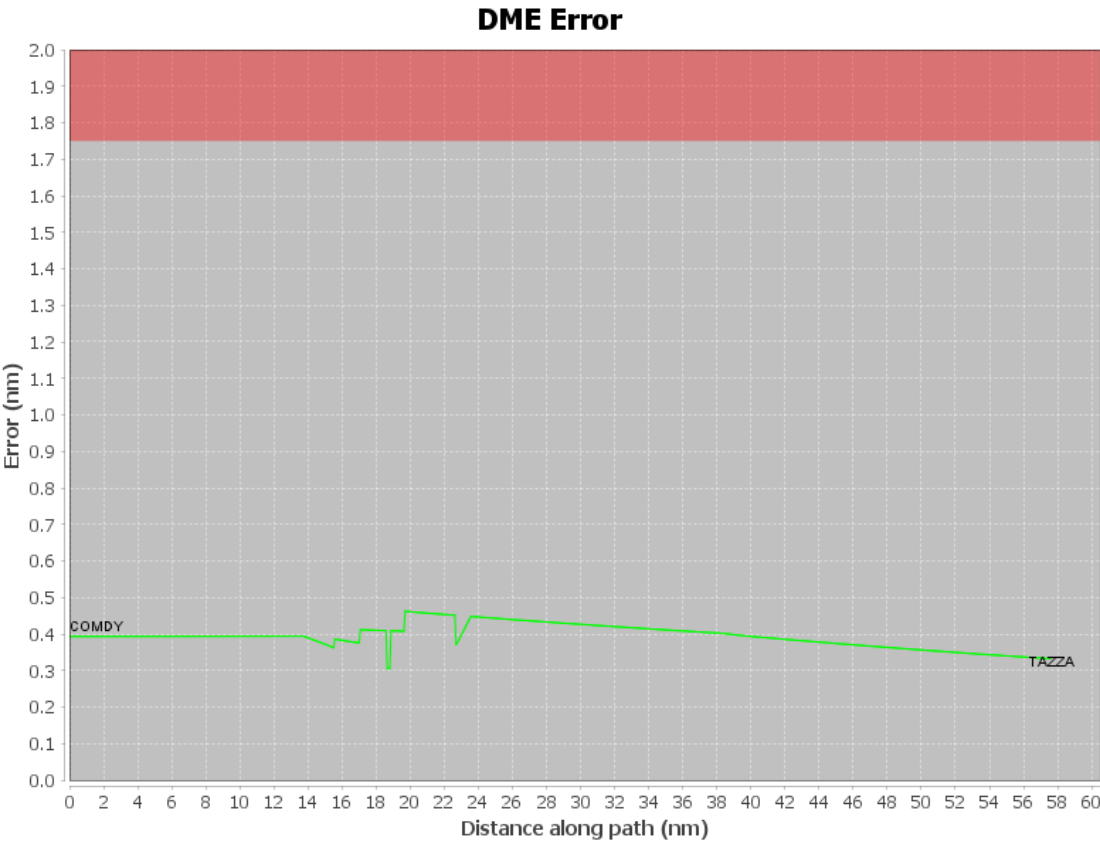
User Data Files

File Name

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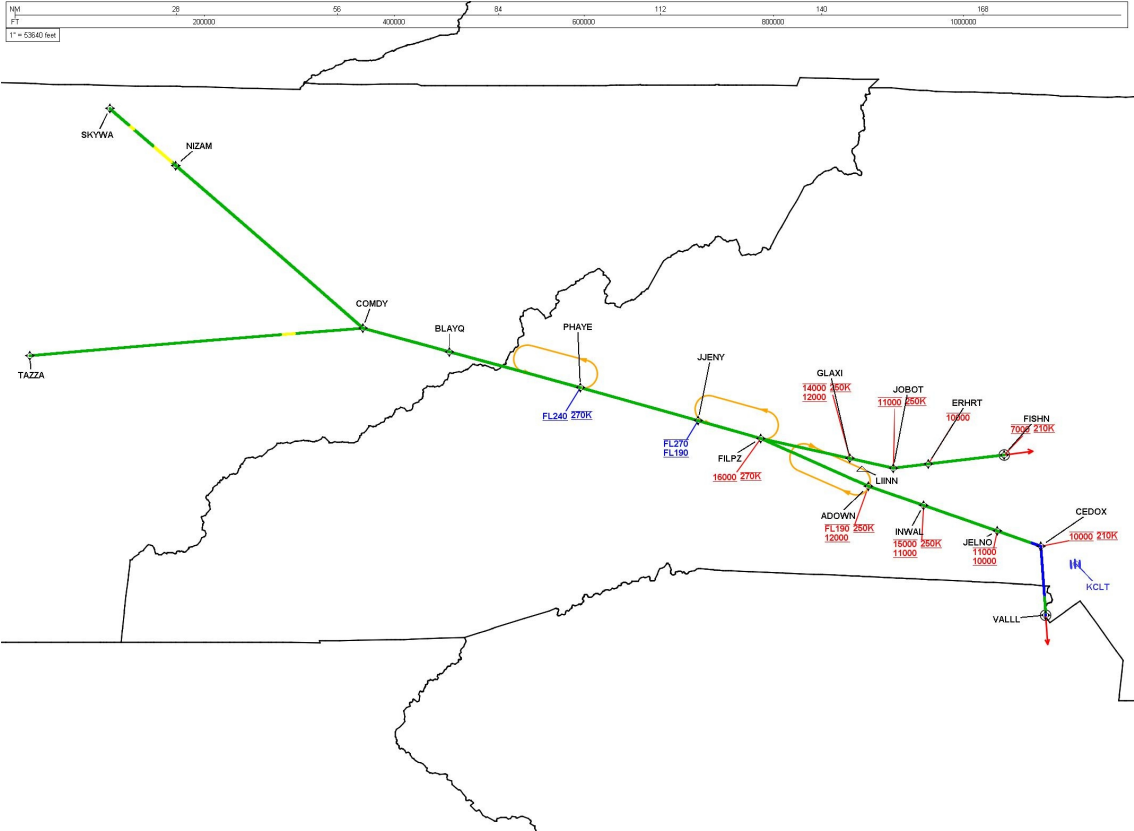
User DMEs

#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	RMG FAA 755481-065 RMG [IFPA]	N34° 09' 45.23", W085° 07' 09.87"	1.0 E	130	1147.8	115.4	RMG FAA 755481-065	
ESV:		Bearing [True]: 10.0° to 35.0° Bearing [Mag]: 9.0° to 34.0°				Arc Distance: Out to 125.0 NM Altitude: 13000.0 to 18000.0 ft		
2	BNA FAA 698156-052 BNA [IFPA]	N36° 08' 13.06", W086° 41' 05.18"	2.0 W	130	566.4	114.1	BNA FAA 698156-052	
ESV:		Bearing [True]: 76.0° to 84.0° Bearing [Mag]: 78.0° to 86.0°				Arc Distance: Out to 124.0 NM Altitude: 13000.0 to 18000.0 ft		
3	ODF FAA 090551-044 ODF [IFPA]	N34° 41' 45.14", W083° 17' 51.58"	0.0 E	130	1700	113.4	ODF FAA 090551-044	
ESV:		Bearing [True]: 3.0° to 49.0° Bearing [Mag]: 3.0° to 49.0°				Arc Distance: Out to 81.0 NM Altitude: 11000.0 to 18000.0 ft		
4	LVT FAA 210523-006 LVT [IFPA]	N36° 35' 04.23", W085° 09' 59.84"	2.0 W	40	1020	114.35	LVT FAA 210523-006	
ESV:		Bearing [True]: 64.0° to 103.0° Bearing [Mag]: 66.0° to 105.0°				Arc Distance: Out to 50.0 NM Altitude: 9500.0 to 24000.0 ft		
5	SPA FAA 704218-018 SPA [IFPA]	N35° 02' 01.05", W081° 55' 37.24"	2.0 W	130	935.4	115.7	SPA FAA 704218-018	
ESV:		Bearing [True]: 243.0° to 338.0° Bearing [Mag]: 245.0° to 340.0°				Arc Distance: Out to 105.0 NM Altitude: 11000.0 to 20000.0 ft		
6	GQO FAA 110610-036 GQO [IFPA]	N34° 57' 40.59", W085° 09' 12.13"	0.0 E	130	1013.6	null	GQO FAA 110610-036	
ESV:		Bearing [True]: 19.0° to 58.0° Bearing [Mag]: 19.0° to 58.0°				Arc Distance: Out to 106.0 NM Altitude: 13000.0 to 18000.0 ft		



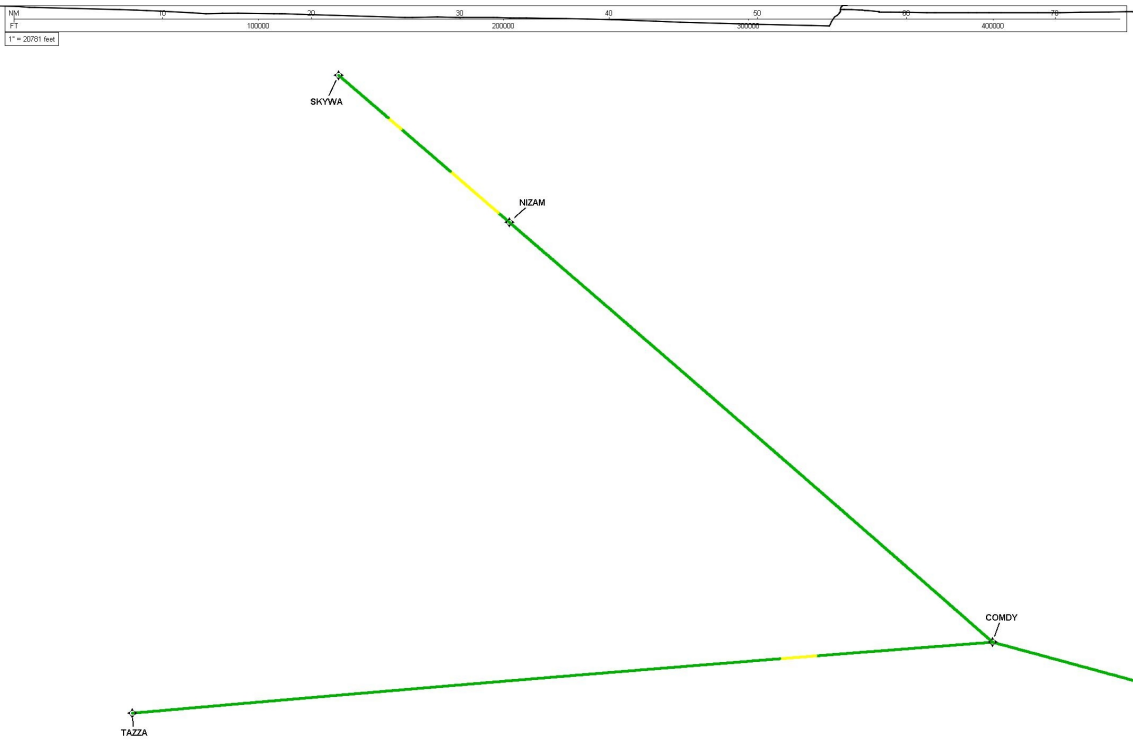
DME DME Assessment Results for FILPZ4 path COMDY_TAZZA

Graphic Depiction 1



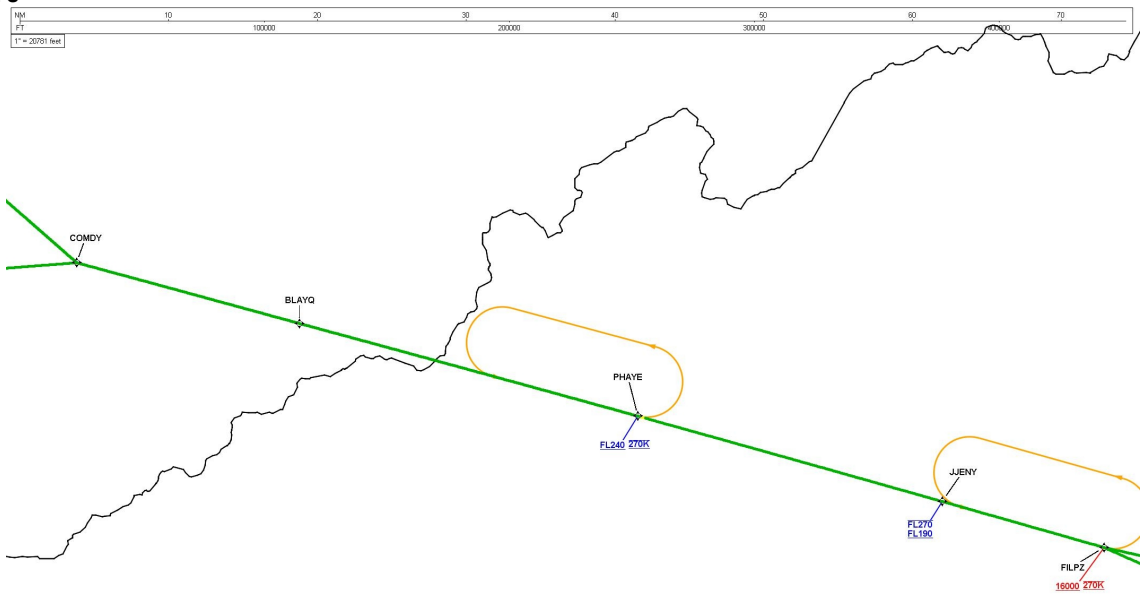
DME DME Assessment Results for FILPZ4 path COMDY_TAZZA

Graphic Depiction 2



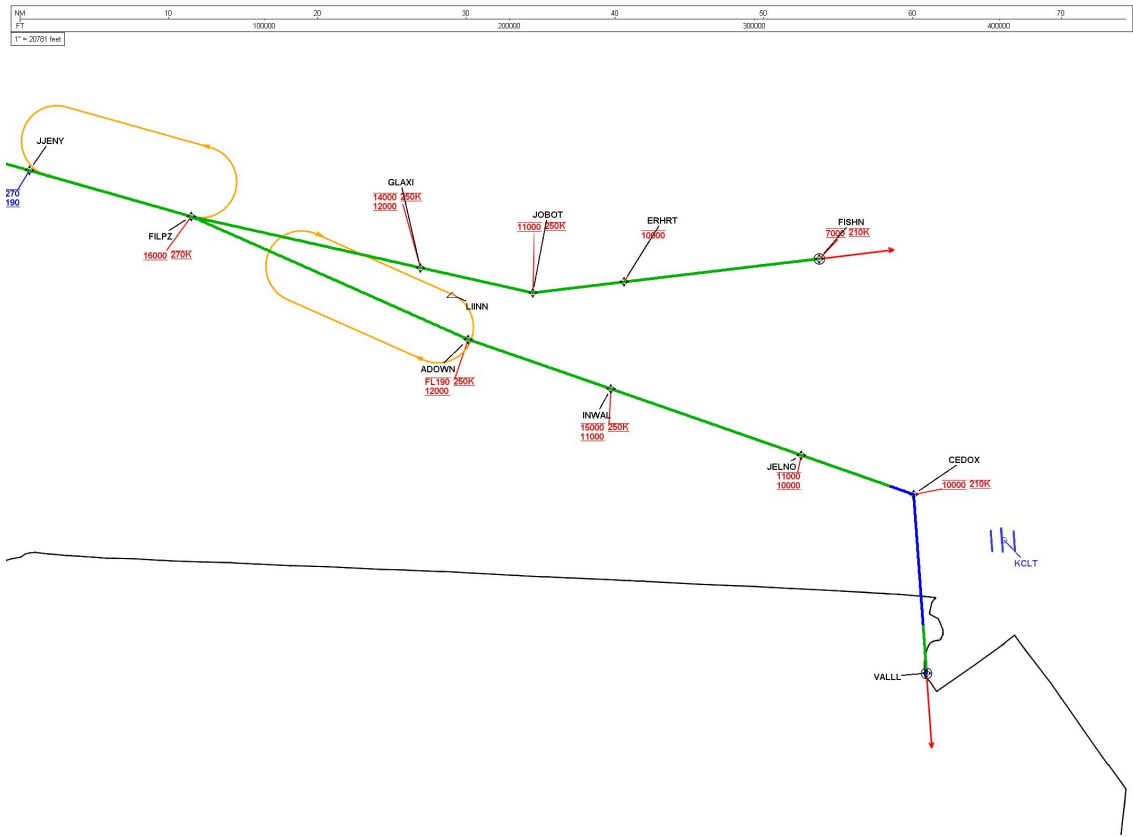
DME DME Assessment Results for FILPZ4 path COMDY_TAZZA

Graphic Depiction 3



DME DME Assessment Results for FILPZ4 path COMDY_TAZZA

Graphic Depiction 4



DME DME Assessment Results for FILPZ4 path PHAYE_SKYWA

Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Mark J-CTR Dillon
Project File:	C:\Users\mark j-ctr dillon\Documents\TARGETS PROJECTS\CLT\CLT ACRI\KCLT FILPZ4\KCLT FILPZ4 (RNAV) STAR 230726.tgs
Output File:	C:\Users\mark j-ctr dillon\Documents\TARGETS PROJECTS\CLT\CLT ACRI\KCLT FILPZ4\DME\KCLT [IFPA] FILPZ4 20230726_1217 EDT\PHAYE_SKYWA\KCLT FILPZ4 RNAV STAR PHAYE SKYWA 20230726_1217 EDT.pdf
Procedure Name:	FILPZ4
Software: DmeDmePlugin:	7.1.1
Date/Time:	07/26/2023 12:17 EDT
Databases:	DTED 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
PHAYE	WP	N35° 43' 20.41", W082° 41' 57.66"	13000	VNAV	270	FLY_BY	TF
BLAYQ	WP	N35° 49' 32.60", W083° 09' 43.09"	13000	VNAV	270	FLY_BY	TF
COMDY	WP	N35° 53' 37.26", W083° 28' 01.28"	13000	VNAV	270	FLY_BY	TF
NIZAM	WP	N36° 21' 46.96", W084° 07' 43.06"	13000	VNAV	270	FLY_BY	TF
SKYWA	WP	N36° 31' 37.31", W084° 21' 42.40"	13000	VNAV	270	FLY_BY	TF

Flyability

Flight Type:	RNAV STAR
Selected Airport:	KCLT [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 FILPZ4 path PHAYE_SKYWA

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, TACAN
DME Include Angles:	30 to 150
Critical DMEs:	Not 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	SPA	N35° 02' 01.05", W081° 55' 37.24"	2.0 W	130	H	IFPA	NO	Enabled	54 %	54 %
2	BNA	N36° 08' 13.06", W086° 41' 05.18"	2.0 W	130	H	IFPA	NO	Enabled	12.5 %	12.5 %
3	LOZ	N37° 01' 59.34", W084° 06' 36.27"	3.0 W	130	H	IFPA	NO	Enabled	13.3 %	13.3 %
4	GQO	N34° 57' 40.59", W085° 09' 12.13"	0.0 E	130	H	IFPA	NO	Enabled	48.9 %	48.9 %
5	LVT	N36° 35' 04.23", W085° 09' 59.84"	2.0 W	40	L	IFPA	NO	Enabled	5.9 %	5.9 %
6	SOT	N35° 47' 24.36", W083° 03' 08.53"	4.0 W	40	L	IFPA	NO	Enabled	41.4 %	41.4 %
7	HCH	N35° 46' 51.65", W084° 58' 42.43"	2.0 W	130	DH	IFPA	NO	Enabled	100 %	100 %
8	ODF	N34° 41' 45.14", W083° 17' 51.58"	0.0 E	130	H	IFPA	NO	Enabled	26.6 %	26.6 %
9	SUG	N35° 24' 23.42", W082° 16' 07.01"	2.0 W	40	L	IFPA	NO	Enabled	11.4 %	11.4 %
10	VXV	N35° 54' 17.42", W083° 53' 40.99"	3.0 W	130	H	IFPA	NO	Enabled	56.2 %	56.2 %

DME DME Assessment Results for FILPZ4 path PHAYE_SKYWA

Flight Check DME Selection

Distance [NM]	Selected DMEs					Alternate
0.0	ODF	SOT	SUG	SPA	HCH	
11.1	ODF	SOT	SPA	HCH		
14.8	ODF	SPA	HCH			
20.1	ODF	VXV	HCH	SPA		
21.3	ODF	VXV	SOT	HCH	SPA	
25.7	SPA	HCH				
36.6	SPA	GQO	SOT	HCH		
43.5	GQO	SOT	SPA	VXV	HCH	
52.2	VXV	SOT	GQO	HCH		
54.5	VXV	SOT	HCH			
57.6	VXV	HCH				
65.2	VXV	HCH	GQO			
82.5	VXV	HCH	BNA	LOZ	GQO	
84.9	VXV	HCH	LOZ			
86.7	VXV	HCH	BNA	GQO		
87.8	VXV	HCH	BNA	LOZ	GQO	
92.2	LVT	LOZ	HCH	GQO	BNA	

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
PHAYE	BLAYQ	ODF, SUG, SPA, VXV, SOT, HCH	
BLAYQ	COMDY	ODF, GQO, VXV, SPA, SOT, HCH	
COMDY	NIZAM	GQO, SPA, VXV, SOT, HCH	
NIZAM	SKYWA	GQO, BNA, VXV, LOZ, LVT, HCH	

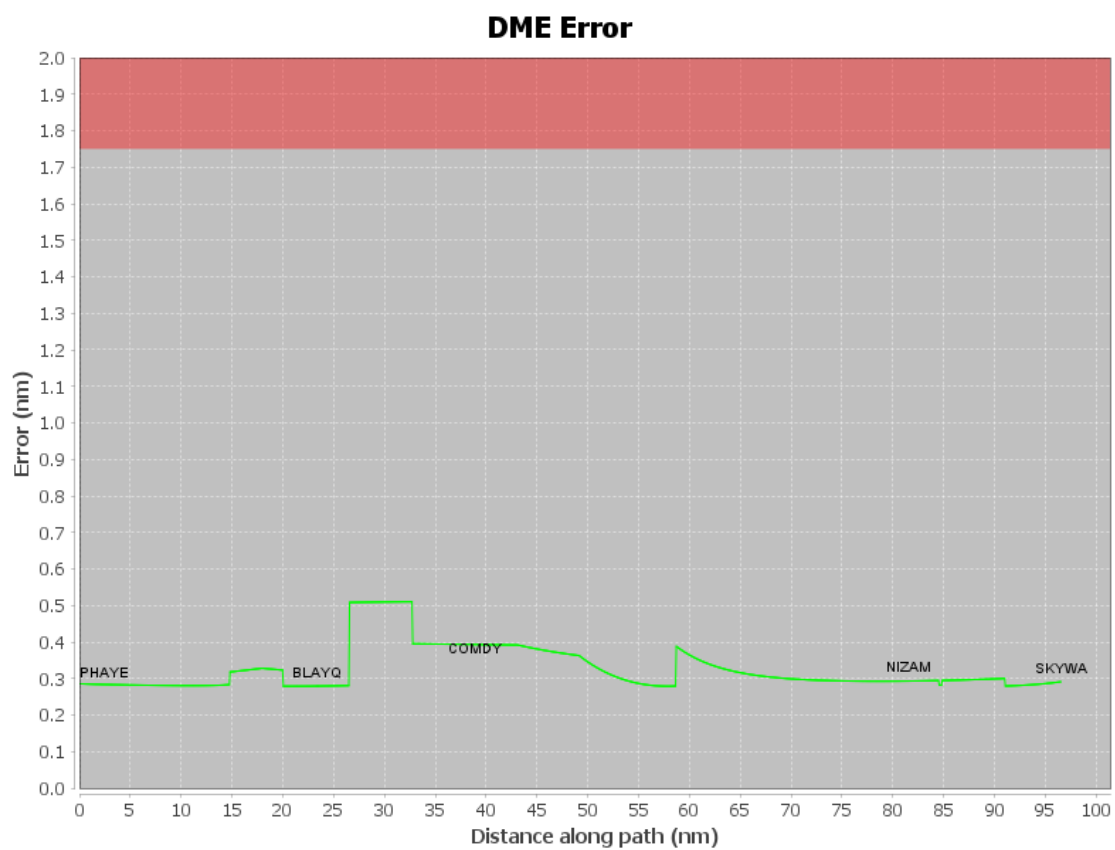
User Data Files

#	File Name
	None

User DMEs

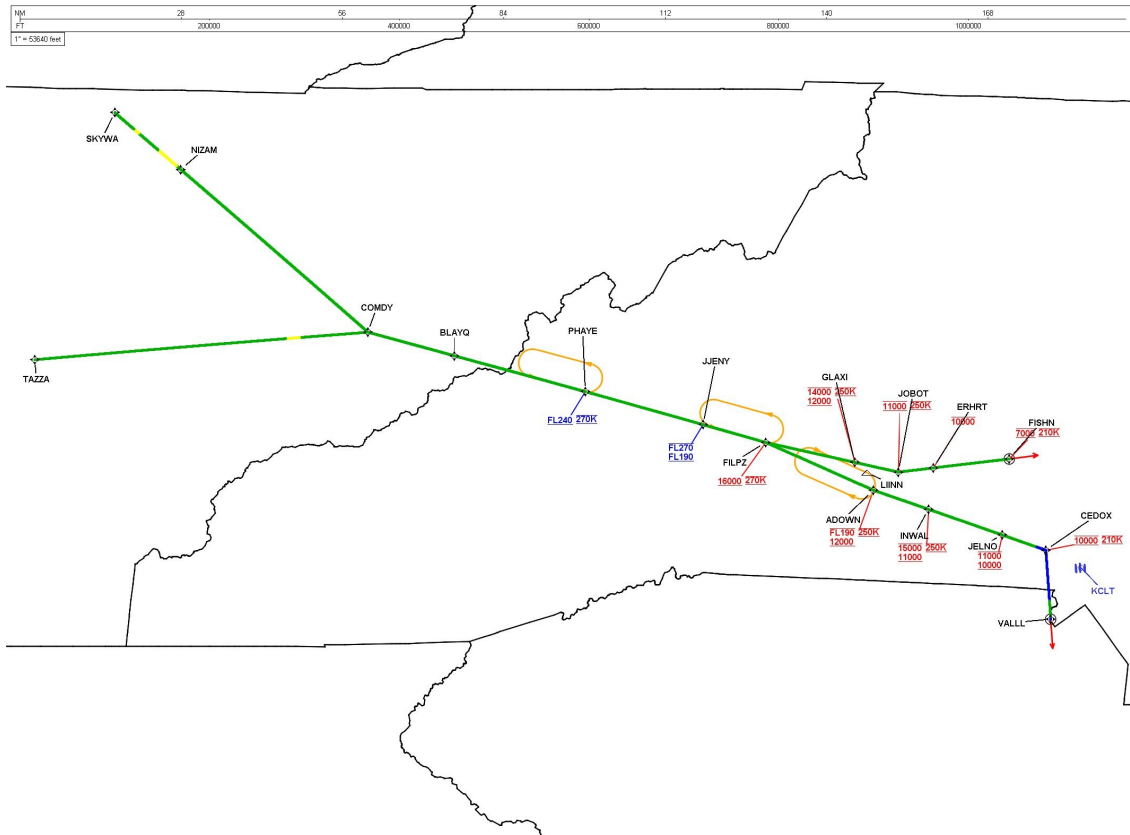
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	RMG FAA 755481-065 RMG [IFPA]	N34° 09' 45.23", W085° 07' 09.87"	1.0 E	130	1147.8	115.4	RMG FAA 755481-065	
ESV:		Bearing [True]: 10.0° to 35.0° Bearing [Mag]: 9.0° to 34.0°				Arc Distance: Out to 125.0 NM Altitude: 13000.0 to 18000.0 ft		
2	BNA FAA 698156-052 BNA [IFPA]	N36° 08' 13.06", W086° 41' 05.18"	2.0 W	130	566.4	114.1	BNA FAA 698156-052	
ESV:		Bearing [True]: 76.0° to 84.0° Bearing [Mag]: 78.0° to 86.0°				Arc Distance: Out to 124.0 NM Altitude: 13000.0 to 18000.0 ft		
3	ODF FAA 090551-044 ODF [IFPA]	N34° 41' 45.14", W083° 17' 51.58"	0.0 E	130	1700	113.4	ODF FAA 090551-044	
ESV:		Bearing [True]: 3.0° to 49.0° Bearing [Mag]: 3.0° to 49.0°				Arc Distance: Out to 81.0 NM Altitude: 11000.0 to 18000.0 ft		
4	LVT FAA 210523-006 LVT [IFPA]	N36° 35' 04.23", W085° 09' 59.84"	2.0 W	40	1020	114.35	LVT FAA 210523-006	
ESV:		Bearing [True]: 64.0° to 103.0° Bearing [Mag]: 66.0° to 105.0°				Arc Distance: Out to 50.0 NM Altitude: 9500.0 to 24000.0 ft		
5	SPA FAA 704218-018 SPA [IFPA]	N35° 02' 01.05", W081° 55' 37.24"	2.0 W	130	935.4	115.7	SPA FAA 704218-018	
ESV:		Bearing [True]: 243.0° to 338.0° Bearing [Mag]: 245.0° to 340.0°				Arc Distance: Out to 105.0 NM Altitude: 11000.0 to 20000.0 ft		
6	GQO FAA 110610-036 GQO [IFPA]	N34° 57' 40.59", W085° 09' 12.13"	0.0 E	130	1013.6	null	GQO FAA 110610-036	
ESV:		Bearing [True]: 19.0° to 58.0° Bearing [Mag]: 19.0° to 58.0°				Arc Distance: Out to 106.0 NM Altitude: 13000.0 to 18000.0 ft		

DME DME Assessment Results for FILPZ4 path PHAYE_SKYWA



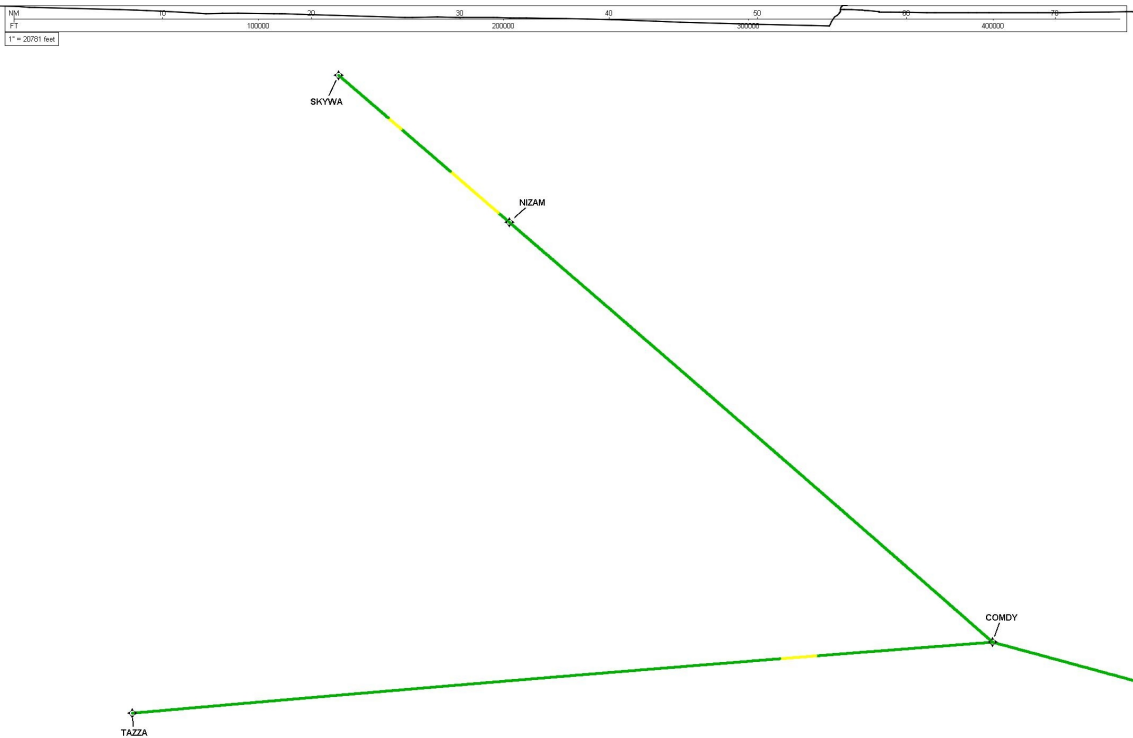
DME DME Assessment Results for FILPZ4 path PHAYE_SKYWA

Graphic Depiction 1



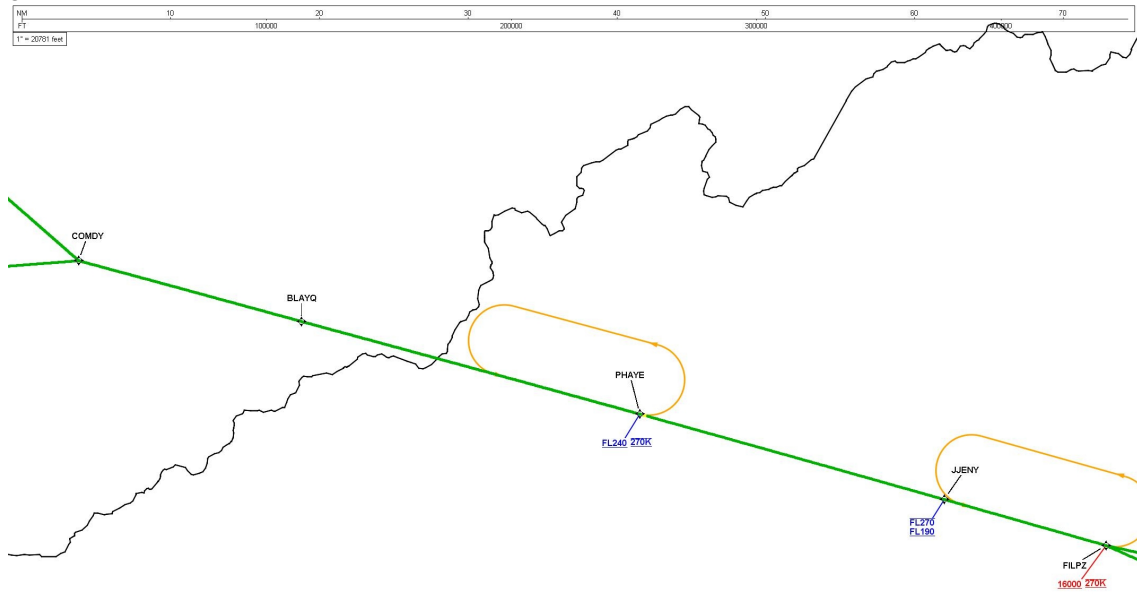
DME DME Assessment Results for FILPZ4 path PHAYE_SKYWA

Graphic Depiction 2



DME DME Assessment Results for FILPZ4 path PHAYE_SKYW

Graphic Depiction 3



DME DME Assessment Results for FILPZ4 path PHAYE_SKYWA

Graphic Depiction 4

