

DME DME Assessment Results for STHBY1 path DOTSS_CLEEE

Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Bob CTR Graham
Project File:	C:\Users\Bob CTR Graham\Desktop\AREA NAV Projects and TARGETS Files\LAX\ODO SIDs_12-29-22\STHBY1_AUG 2021\TARGETS\20231130_STHBY1.tgs
Output File:	C:\Users\Bob CTR Graham\Desktop\AREA NAV Projects and TARGETS Files\LAX\ODO SIDs_12-29-22\STHBY1_AUG 2021\FINAL DOCS NOV 2023\KLAX [IFPA] STHBY1 20231130_1122 MST\DOTSS_CLEEE\KLAX STHBY1 SID DOTSS CLEEE 20231130_1122 MST.pdf
Procedure Name:	STHBY1
Software: DmeDmePlugin:	7.2.1
Date/Time:	11/30/2023 11:22 MST
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
DOTSS	WP	N33° 38' 38.7800", W117° 47' 43.0200"	7800	VNAV	230	FLY_BY	TF
EYEDL	WP	N33° 45' 04.9400", W117° 14' 01.1000"	15000	VNAV	240	FLY_BY	TF
HOMER	WP	N33° 44' 45.8000", W116° 58' 25.9500"	15000	VNAV	240	FLY_BY	TF
CLEEE	WP	N33° 43' 24.1800", W116° 04' 23.9200"	15000	VNAV	240	FLY_BY	TF

Flyability

Flight Type:	SID
Selected Airport:	KLAX [IFPA]
Climb Gradient:	None assigned
Speeds:	130 at the Runway DER
	145 at the end of the VA or VI leg
	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 STHBY1 path DOTSS_CLEEE

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:	Allowed
DoD Facilities:	Included
Foreign Facilities:	Not included
High DMEs:	Included
Low DMEs:	Included
Terminal DMEs:	Included
Flight Check DMEs:	Not selected
Higher Altitudes:	Not Evaluated
Near Maximum Altitude:	Not Evaluated
Automatic ESVs:	Enabled
Disabled DMEs:	None

DME/DME (Continued)										
DMEs Used										
#	Name	Lat/Lon	MAGVAR	Range	Type	Source	Critical	Status	Time	Distance
1	POM	N34° 04' 42.1962", W117° 47' 13.4633"	15.0 E	40	L	IFPA	NO	Enabled	39.5 %	38.6 %
2	SLI	N33° 46' 59.8839", W118° 03' 17.1304"	15.0 E	40	L	IFPA	NO	Enabled	31.2 %	30.3 %
3	SXC	N33° 22' 30.2010", W118° 25' 11.6750"	15.0 E	130	H	IFPA	NO	Enabled	4.5 %	4.4 %
4	PDZ	N33° 55' 06.0128", W117° 31' 47.9897"	15.0 E	130	H	IFPA	NO	Enabled	49.3 %	49 %
5	RIV	N33° 54' 23.2800", W117° 16' 30.1400"	14.0 E	40	L	IFPA	NO	Enabled	72.7 %	72.4 %
6	PSP	N33° 52' 12.0544", W116° 25' 47.2162"	13.0 E	40	L	IFPA	NO	Enabled	36.8 %	37.3 %
7	TRM	N33° 37' 41.1477", W116° 09' 36.6968"	13.0 E	130	H	IFPA	NO	Enabled	15 %	15.2 %
8	MZB	N32° 46' 55.9467", W117° 13' 31.5170"	15.0 E	130	H	IFPA	NO	Enabled	68.1 %	68.9 %
9	ELB	N33° 40' 33.7284", W117° 43' 51.9285"	14.0 E	25	T	IFPA	NO	Enabled	9.4 %	9.1 %
10	TNP	N34° 06' 44.0443", W115° 46' 11.6580"	15.0 E	40	L	IFPA	NO	Enabled	15.2 %	15.4 %
11	LAX	N33° 55' 59.3368", W118° 25' 55.2460"	15.0 E	130	H	IFPA	NO	Enabled	47.5 %	48.1 %
12	JLI	N33° 08' 25.6510", W116° 35' 09.3650"	15.0 E	40	L	IFPA	NO	Enabled	9.3 %	9.4 %
13	BLH	N33° 35' 45.8327", W114° 45' 40.5841"	14.0 E	130	H	IFPA	NO	Enabled	38.4 %	39 %
14	OCN	N33° 14' 26.2815", W117° 25' 03.7947"	15.0 E	130	H	IFPA	NO	Enabled	100 %	100 %

DME DME Assessment Results for STHBY1 path DOTSS_CLEEE

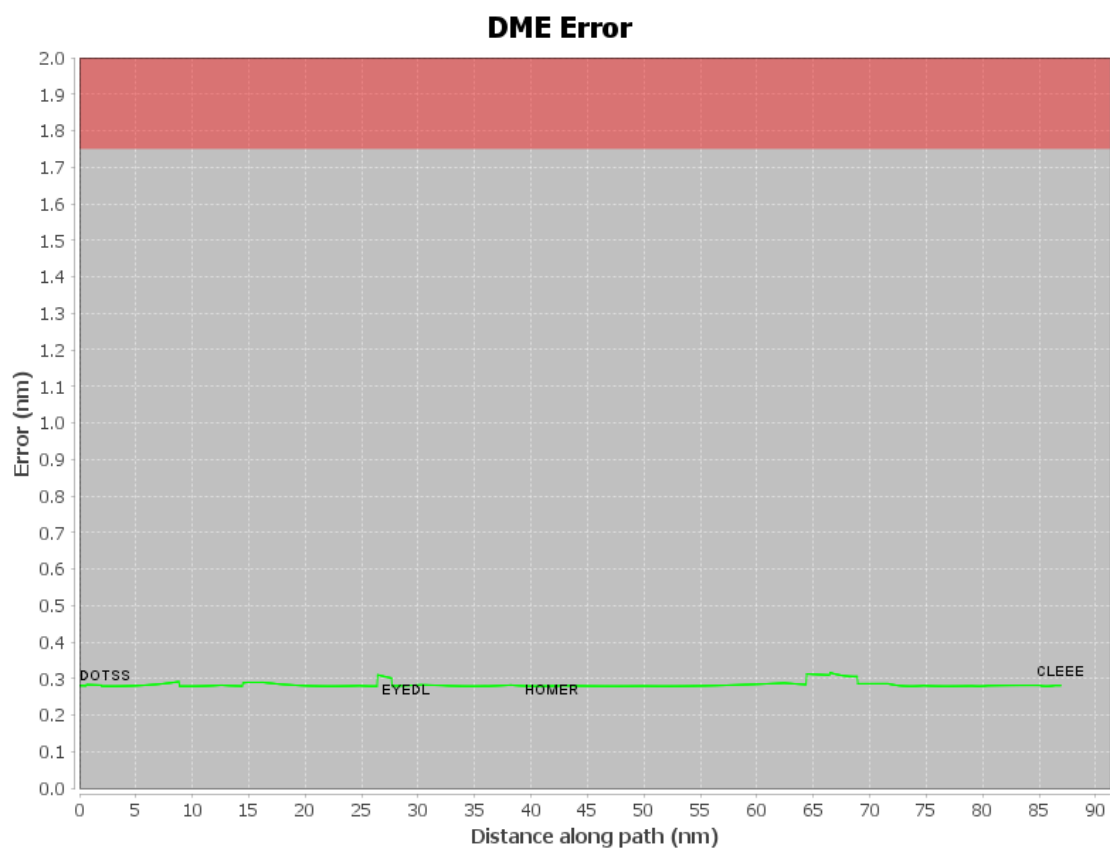
Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	OCN	RIV	SXC	SLI	POM	LAX
0.6	SXC	OCN	POM	LAX	SLI	
1.5	SXC	OCN	POM	SLI		
2.0	OCN	RIV	SXC	POM	SLI	
3.9	OCN	RIV	POM	SLI		
6.4	OCN	RIV	POM	SLI	ELB	
6.6	OCN	RIV	POM	SLI		
6.6	OCN	RIV	POM	ELB	SLI	
14.5	PDZ	SLI	POM	RIV	OCN	
26.4	POM	OCN	PDZ	RIV		
27.0	POM	OCN	PDZ	RIV	MZB	
33.6	PDZ	OCN	LAX	MZB	RIV	
51.6	RIV	MZB	OCN	LAX	PSP	
53.1	RIV	MZB	OCN	LAX	BLH	
64.4	JLI	BLH	LAX	PSP	MZB	OCN
66.5	PSP	BLH	LAX	MZB	OCN	
68.1	PSP	BLH	MZB	OCN		
68.9	TRM	MZB	PSP	BLH	OCN	
80.5	PSP	TNP	MZB	OCN	BLH	

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

Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
DOTSS	EYEDL	SLI, LAX, MZB, PDZ, ELB, OCN, RIV, POM, SXC	
EYEDL	HOMER	LAX, MZB, PDZ, OCN, RIV, POM	
HOMER	CLEEE	LAX, MZB, JLI, PDZ, TNP, OCN, PSP, RIV, TRM, BLH	

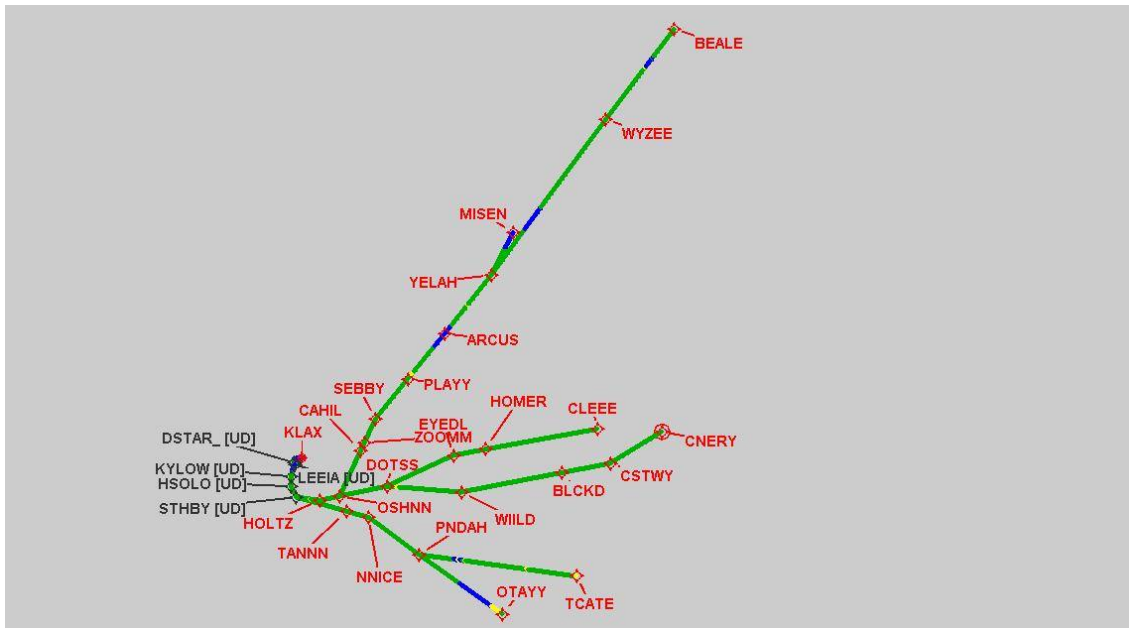
User Data Files								
#	File Name							
1	New Analysis.udt							
User DMEs								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	EED EED [IFPA]	N34° 45' 57.6150", W114° 28' 26.7750"	15.0 E	130	620	115.2	EED	
ESV:		Bearing [True]: 272.0° to 317.0° Bearing [Mag]: 257.0° to 302.0°				Arc Distance: Out to 109.0 NM Altitude: 11400.0 to 18700.0 ft		
2	JLI FAA 704158-40 JLI [IFPA]	N33° 08' 25.6510", W116° 35' 09.3650"	15.0 E	40	5560	114.0	JLI FAA 704158-40	
ESV:		Bearing [True]: 214.0° to 231.0° Bearing [Mag]: 199.0° to 216.0°				Arc Distance: Out to 47.0 NM Altitude: 6900.0 to 24000.0 ft		
3	SXC FAA 190728-5 SXC [IFPA]	N33° 22' 30.2010", W118° 25' 11.6750"	15.0 E	130	2090	114.15	SXC FAA 190728-5	
ESV:		Bearing [True]: 110.0° to 127.0° Bearing [Mag]: 95.0° to 112.0°				Arc Distance: Out to 57.0 NM Altitude: 5100.0 to 22000.0 ft		

DME DME Assessment Results for STHBY1 path DOTSS_CLEEE



DME DME Assessment Results for STHBY1 path DOTSS_CLEEE

Graphic Depiction 1



DME DME Assessment Results for STHBY1 path HOLTZ_CNERY

Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Bob CTR Graham
Project File:	C:\Users\Bob CTR Graham\Desktop\AREA NAV Projects and TARGETS Files\LAX\ODO SIDs_12-29-22\STHBY1_AUG 2021\TARGETS\20231130_STHBY1.tgs
Output File:	C:\Users\Bob CTR Graham\Desktop\AREA NAV Projects and TARGETS Files\LAX\ODO SIDs_12-29-22\STHBY1_AUG 2021\FINAL DOCS NOV 2023\KLAX [IFPA] STHBY1 20231130_1122 MST\HOLTZ_CNERY\KLAX STHBY1 SID HOLTZ CNERY 20231130_1122 MST.pdf
Procedure Name:	STHBY1
Software: DmeDmePlugin:	7.2.1
Date/Time:	11/30/2023 11:22 MST
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
HOLTZ	WP	N33° 38' 40.3800", W118° 20' 34.7900"	3000	VNAV	230	FLY_BY	TF
DOTSS	WP	N33° 38' 38.7800", W117° 47' 43.0200"	7800	VNAV	230	FLY_BY	TF
WIILD	WP	N33° 30' 17.3400", W117° 13' 59.8800"	15000	VNAV	240	FLY_BY	TF
BLCKD	WP	N33° 29' 31.7700", W116° 25' 28.1400"	15000	VNAV	240	FLY_BY	TF
CSTWY	WP	N33° 29' 09.7700", W116° 02' 03.0500"	15000	VNAV	240	FLY_BY	TF
CNERY	WP	N33° 37' 03.7500", W115° 34' 56.7200"	15000	VNAV	240	FLY_OVER	TF

Flyability

Flight Type:	SID
Selected Airport:	KLAX [IFPA]
Climb Gradient:	None assigned
Speeds:	130 at the Runway DER
	145 at the end of the VA or VI leg
	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 STHBY1 path HOLTZ_CNERY

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:	Allowed
DoD Facilities:	Included
Foreign Facilities:	Not included
High DMEs:	Included
Low DMEs:	Included
Terminal DMEs:	Included
Flight Check DMEs:	Not selected
Higher Altitudes:	Not Evaluated
Near Maximum Altitude:	Not Evaluated
Automatic ESVs:	Enabled
Disabled DMEs:	None

DME/DME (Continued)										
DMEs Used										
#	Name	Lat/Lon	MAGVAR	Range	Type	Source	Critical	Status	Time	Distance
1	POM	N34° 04' 42.1962", W117° 47' 13.4633"	15.0 E	40	L	IFPA	NO	Enabled	33.9 %	33 %
2	SMO	N34° 00' 37.5301", W118° 27' 22.9701"	15.0 E	40	L	IFPA	NO	Enabled	18.1 %	17.6 %
3	SLI	N33° 46' 59.8839", W118° 03' 17.1304"	15.0 E	40	L	IFPA	NO	Enabled	37.7 %	36.7 %
4	BZA	N32° 46' 05.1870", W114° 36' 10.6070"	14.0 E	130	H	IFPA	NO	Enabled	10.9 %	11.1 %
5	SXC	N33° 22' 30.2010", W118° 25' 11.6750"	15.0 E	130	H	IFPA	NO	Enabled	17 %	16.6 %
6	PDZ	N33° 55' 06.0128", W117° 31' 47.9897"	15.0 E	130	H	IFPA	NO	Enabled	26.1 %	25.8 %
7	RIV	N33° 54' 23.2800", W117° 16' 30.1400"	14.0 E	40	L	IFPA	NO	Enabled	36.7 %	36.6 %
8	PSP	N33° 52' 12.0544", W116° 25' 47.2162"	13.0 E	40	L	IFPA	NO	Enabled	38 %	38.7 %
9	TRM	N33° 37' 41.1477", W116° 09' 36.6968"	13.0 E	130	H	IFPA	NO	Enabled	27.1 %	27.6 %
10	GOG	N35° 53' 39.3000", W115° 29' 45.9000"	0.0 E	130	DH	IFPA	NO	Enabled	7.7 %	7.5 %
11	MZB	N32° 46' 55.9467", W117° 13' 31.5170"	15.0 E	130	H	IFPA	NO	Enabled	49.2 %	50 %
12	ELB	N33° 40' 33.7284", W117° 43' 51.9285"	14.0 E	25	T	IFPA	NO	Enabled	22 %	21.5 %
13	TNP	N34° 06' 44.0443", W115° 46' 11.6580"	15.0 E	40	L	IFPA	NO	Enabled	12.7 %	13 %
14	LAX	N33° 55' 59.3368", W118° 25' 55.2460"	15.0 E	130	H	IFPA	NO	Enabled	48.4 %	48.2 %
15	JLI	N33° 08' 25.6510", W116° 35' 09.3650"	15.0 E	40	L	IFPA	NO	Enabled	43.7 %	44.4 %
16	BLH	N33° 35' 45.8327", W114° 45' 40.5841"	14.0 E	130	H	IFPA	NO	Enabled	41.7 %	42.4 %
17	OCN	N33° 14' 26.2815", W117° 25' 03.7947"	15.0 E	130	H	IFPA	NO	Enabled	71.4 %	71.4 %

DME DME Assessment Results for STHBY1 path HOLTZ_CNERY

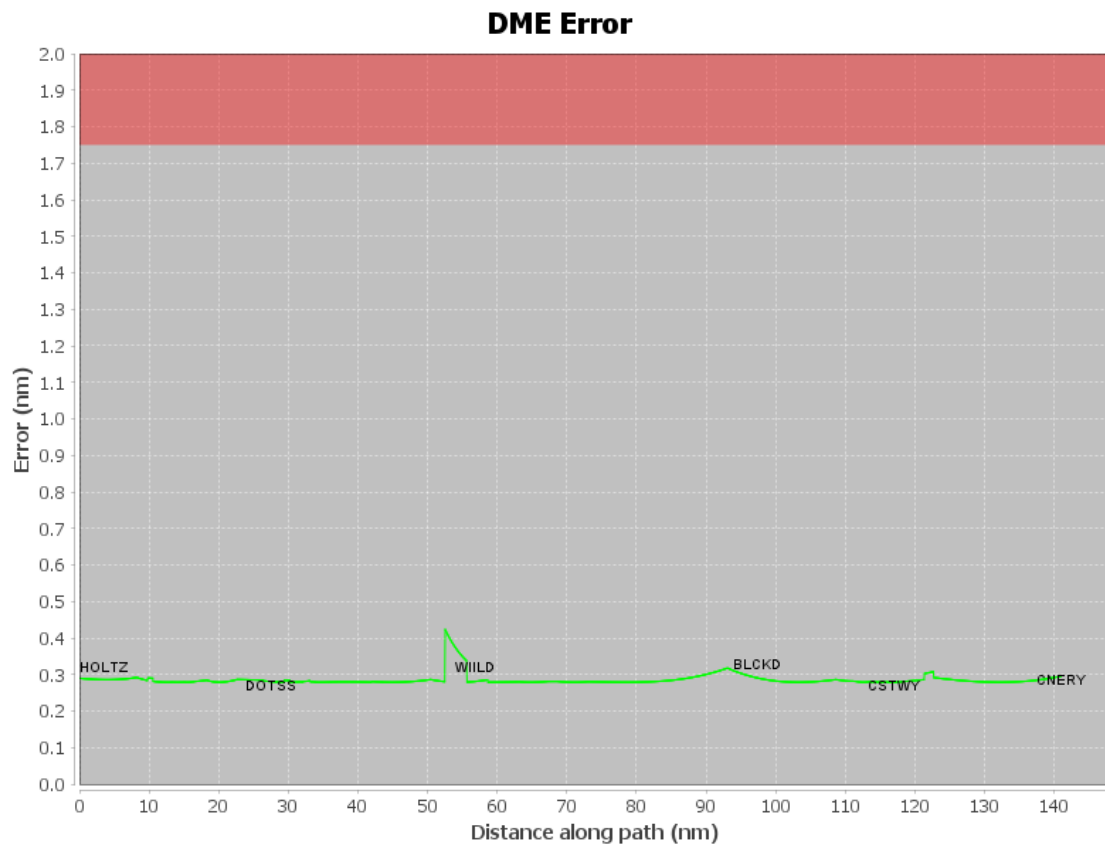
Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	SMO	SLI	LAX			
1.3	LAX	SLI	SMO	POM		
6.3	LAX	SLI	SMO	POM	ELB	
24.9	SXC	OCN	SLI	ELB	POM	LAX
27.1	OCN	RIV	SXC	SLI	POM	LAX
29.4	SXC	OCN	POM	LAX	SLI	
30.8	OCN	RIV	SLI	POM		
30.8	OCN	RIV	SXC	POM	SLI	LAX
31.4	OCN	RIV	SXC	ELB	POM	SLI
32.1	OCN	RIV	SLI	POM		
33.2	PDZ	SLI	RIV	ELB	OCN	POM
42.0	SLI	RIV	PDZ	POM	OCN	
47.9	SLI	RIV	OCN	PDZ		
51.8	PDZ	OCN				
55.7	LAX	OCN	MZB	RIV	PDZ	
69.7	OCN	RIV	JLI	LAX	MZB	
83.0	JLI	OCN	LAX	MZB	PSP	BLH
92.5	JLI	OCN	BLH	PSP	MZB	
115.1	PSP	JLI	TRM	MZB	BLH	
121.4	PSP	MZB	TRM	BLH		
122.7	TNP	BLH	TRM	PSP	MZB	
126.3	TNP	BLH	TRM	PSP		
129.7	TNP	BLH	TRM			
132.4	TNP	BLH	TRM	BZA		

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

Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
HOLTZ	DOTSS	SLI, LAX, SMO, ELB, OCN, GOG, RIV, POM, SXC	
DOTSS	WIILD	SLI, LAX, MZB, PDZ, ELB, OCN, RIV, POM, SXC	
WIILD	BLCKD	LAX, MZB, JLI, PDZ, OCN, PSP, RIV, BLH	
BLCKD	CSTWY	MZB, JLI, BZA, OCN, PSP, TRM, BLH	
CSTWY	CNERY	MZB, JLI, TNP, BZA, OCN, PSP, TRM, BLH	

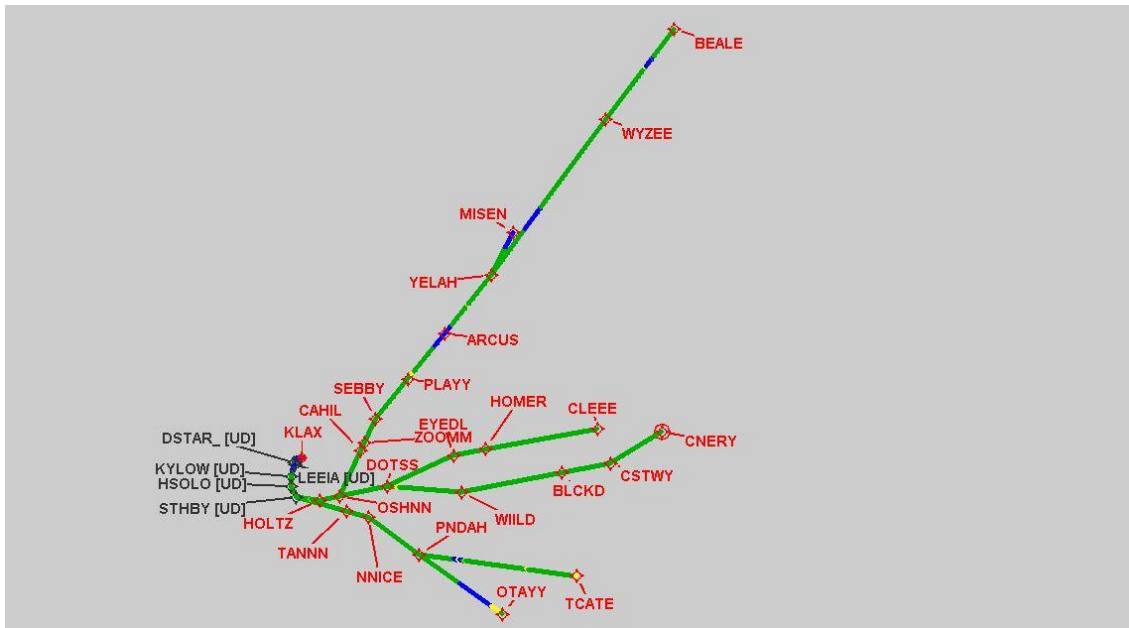
User Data Files								
#	File Name							
1	New Analysis.udt							
User DMEs								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	EED EED [IFPA]	N34° 45' 57.6150", W114° 28' 26.7750"	15.0 E	130	620	115.2	EED	
ESV:		Bearing [True]: 272.0° to 317.0° Bearing [Mag]: 257.0° to 302.0°				Arc Distance: Out to 109.0 NM Altitude: 11400.0 to 18700.0 ft		
2	JLI FAA 704158-40 JLI [IFPA]	N33° 08' 25.6510", W116° 35' 09.3650"	15.0 E	40	5560	114.0	JLI FAA 704158-40	
ESV:		Bearing [True]: 214.0° to 231.0° Bearing [Mag]: 199.0° to 216.0°				Arc Distance: Out to 47.0 NM Altitude: 6900.0 to 24000.0 ft		
3	SXC FAA 190728-5 SXC [IFPA]	N33° 22' 30.2010", W118° 25' 11.6750"	15.0 E	130	2090	114.15	SXC FAA 190728-5	
ESV:		Bearing [True]: 110.0° to 127.0° Bearing [Mag]: 95.0° to 112.0°				Arc Distance: Out to 57.0 NM Altitude: 5100.0 to 22000.0 ft		

DME DME Assessment Results for STHBY1 path HOLTZ_CNERV



DME DME Assessment Results for STHBY1 path HOLTZ_CNERY

Graphic Depiction 1



DME DME Assessment Results for STHBY1 path PNDAH_TCATE

Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Bob CTR Graham
Project File:	C:\Users\Bob CTR Graham\Desktop\AREA NAV Projects and TARGETS Files\LAX\ODO SIDs_12-29-22\STHBY1_AUG 2021\TARGETS\20231130_STHBY1.tgs
Output File:	C:\Users\Bob CTR Graham\Desktop\AREA NAV Projects and TARGETS Files\LAX\ODO SIDs_12-29-22\STHBY1_AUG 2021\FINAL DOCS NOV 2023\KLAX [IFPA] STHBY1 20231130_1122 MST\PNDAH_TCATE\KLAX STHBY1 SID PNDAH TCATE 20231130_1122 MST.pdf
Procedure Name:	STHBY1
Software: DmeDmePlugin:	7.2.1
Date/Time:	11/30/2023 11:22 MST
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
PNDAH	WP	N33° 09' 42.0000", W117° 39' 56.0000"	15000	VNAV	240	FLY_BY	TF
TCATE	WP	N32° 48' 29.0700", W116° 28' 59.8800"	15000	VNAV	240	FLY_BY	TF

Flyability

Flight Type:	SID
Selected Airport:	KLAX [IFPA]
Climb Gradient:	None assigned
Speeds:	130 at the Runway DER
	145 at the end of the VA or VI leg
	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 STHBY1 path PNDAH_TCATE

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:	Allowed
DoD Facilities:	Included
Foreign Facilities:	Not included
High DMEs:	Included
Low DMEs:	Included
Terminal DMEs:	Included
Flight Check DMEs:	Not selected
Higher Altitudes:	Not Evaluated
Near Maximum Altitude:	Not Evaluated
Automatic ESVs:	Enabled
Disabled DMEs:	None

DME/DME (Continued)										
DMEs Used										
#	Name	Lat/Lon	MAGVAR	Range	Type	Source	Critical	Status	Time	Distance
1	MZB	N32° 46' 55.9467", W117° 13' 31.5170"	15.0 E	130	H	IFPA	NO	Enabled	91.6 %	91.6 %
2	LAX	N33° 55' 59.3368", W118° 25' 55.2460"	15.0 E	130	H	IFPA	NO	Enabled	63.3 %	63.3 %
3	JLI	N33° 08' 25.6510", W116° 35' 09.3650"	15.0 E	40	L	IFPA	NO	Enabled	73.8 %	73.8 %
4	BZA	N32° 46' 05.1870", W114° 36' 10.6070"	14.0 E	130	H	IFPA	NO	Enabled	6.3 %	6.3 %
5	BLH	N33° 35' 45.8327", W114° 45' 40.5841"	14.0 E	130	H	IFPA	NO	Enabled	0.9 %	0.9 %
6	OCN	N33° 14' 26.2815", W117° 25' 03.7947"	15.0 E	130	H	IFPA	NO	Enabled	95.5 %	95.5 %
7	PGY	N32° 36' 37.2239", W116° 58' 44.7601"	14.0 E	130	H	IFPA	NO	Enabled	51.6 %	51.6 %

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	LAX	OCN	MZB			
11.3	LAX	OCN				
11.5	LAX	OCN	PGY			
12.2	LAX	OCN				
13.8						
15.4	JLI	OCN	MZB	PGY	LAX	
16.4						
17.5	JLI	MZB	OCN	PGY	LAX	
41.5	JLI	OCN	MZB	LAX		
42.3	JLI	OCN	MZB			
43.1	JLI	OCN	MZB	LAX		
43.8	JLI	OCN	MZB			
49.9	PGY	OCN	JLI	MZB		
57.1	JLI	MZB	OCN			
59.3	JLI	MZB	BZA	OCN		
62.7	JLI	MZB	BZA	BLH	OCN	

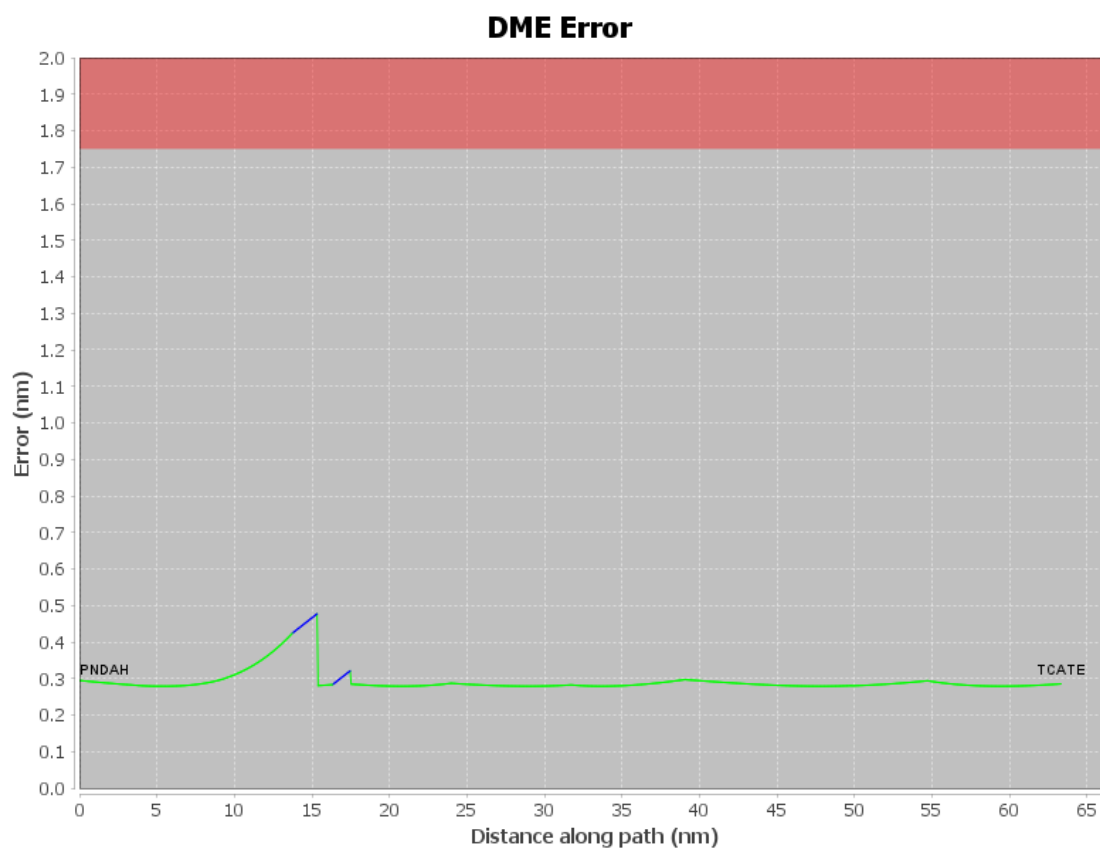
DME DME Assessment Results for STHBY1 path PNDAH_TCATE

Inertial Drift Segments			
#	Start Location	End Location	Length [NM]
1	N33° 05' 08.0819", W117° 24' 25.7251"	N33° 04' 36.1983", W117° 22' 37.9710"	1.5995
2	N33° 04' 16.2580", W117° 21' 30.6356"	N33° 03' 53.6467", W117° 20' 14.3325"	1.133

Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
PNDAH	TCATE	LAX, PGY, MZB, JLI, BZA, OCN, BLH	

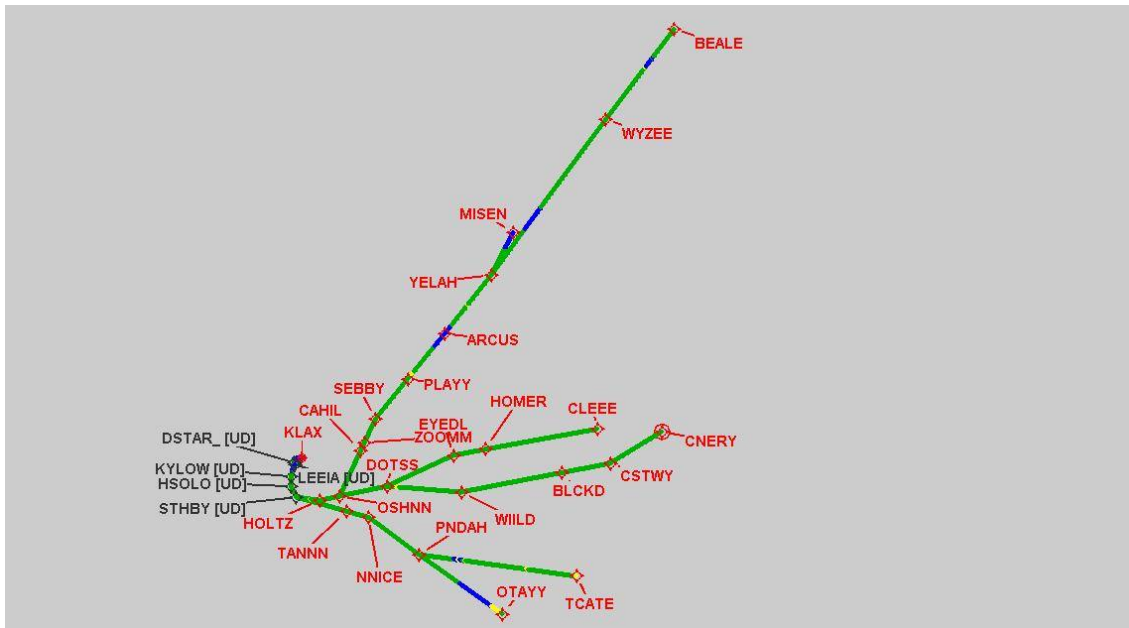
User Data Files								
#	File Name							
1	New Analysis.udt							
User DMEs								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	EED EED [IFPA]	N34° 45' 57.6150", W114° 28' 26.7750"	15.0 E	130	620	115.2	EED	
ESV:		Bearing [True]: 272.0° to 317.0° Bearing [Mag]: 257.0° to 302.0°				Arc Distance: Out to 109.0 NM Altitude: 11400.0 to 18700.0 ft		
2	JLI FAA 704158-40 JLI [IFPA]	N33° 08' 25.6510", W116° 35' 09.3650"	15.0 E	40	5560	114.0	JLI FAA 704158-40	
ESV:		Bearing [True]: 214.0° to 231.0° Bearing [Mag]: 199.0° to 216.0°				Arc Distance: Out to 47.0 NM Altitude: 6900.0 to 24000.0 ft		
3	SXC FAA 190728-5 SXC [IFPA]	N33° 22' 30.2010", W118° 25' 11.6750"	15.0 E	130	2090	114.15	SXC FAA 190728-5	
ESV:		Bearing [True]: 110.0° to 127.0° Bearing [Mag]: 95.0° to 112.0°				Arc Distance: Out to 57.0 NM Altitude: 5100.0 to 22000.0 ft		

DME DME Assessment Results for STHBY1 path PNDAH_TCATE



DME DME Assessment Results for STHBY1 path PNDAH_TCATE

Graphic Depiction 1



DME DME Assessment Results for STHBY1 path KLAX:RW24L:DER_BEALE

Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Bob CTR Graham
Project File:	C:\Users\Bob CTR Graham\Desktop\AREA NAV Projects and TARGETS Files\LAX\ODO SIDs_12-29-22\STHBY1_AUG 2021\TARGETS\20231130_STHBY1.tgs
Output File:	C:\Users\Bob CTR Graham\Desktop\AREA NAV Projects and TARGETS Files\LAX\ODO SIDs_12-29-22\STHBY1_AUG 2021\FINAL DOCS NOV 2023\KLAX [IFPA] STHBY1 20231130_1122 MST\KLAX-RW24L-DER_BEALE\KLAX STHBY1 SID RW24L BEALE 20231130_1122 MST.pdf
Procedure Name:	STHBY1
Software: DmeDmePlugin:	7.2.1
Date/Time:	11/30/2023 11:22 MST
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
KLAX:RW24L:DER	WP	N33° 56' 48.5368", W118° 26' 04.8042"	109.8	VNAV	130	FLY_BY	TF
DSTAR_	WP	N33° 55' 14.1190", W118° 28' 56.9289"	919.9	VNAV	230	FLY_BY	TF
KYLOW	WP	N33° 50' 04.7900", W118° 31' 24.9000"	1915.1	VNAV	230	FLY_BY	TF
HSOLO	WP	N33° 46' 09.8124", W118° 32' 25.0585"	2714.6	VNAV	230	FLY_BY	TF
STHBY	WP	N33° 41' 55.3234", W118° 31' 06.2936"	3000	VNAV	230	FLY_BY	TF
HOLTZ	WP	N33° 38' 40.3800", W118° 20' 34.7900"	3000	VNAV	230	FLY_BY	TF
OSHNN	WP	N33° 38' 40.5700", W118° 10' 46.7900"	7800	VNAV	230	FLY_BY	TF
CAHIL	WP	N33° 54' 22.5700", W117° 56' 41.2500"	10000	VNAV	230	FLY_BY	TF
ZOOMM	WP	N33° 57' 09.4100", W117° 54' 08.9100"	15000	VNAV	240	FLY_BY	TF
SEBBY	WP	N34° 05' 22.8700", W117° 46' 37.1200"	15000	VNAV	240	FLY_BY	TF
PLAYY	WP	N34° 17' 59.3400", W117° 27' 52.8100"	15000	VNAV	240	FLY_BY	TF
ARCUS	WP	N34° 32' 30.0000", W117° 06' 06.4200"	15000	VNAV	240	FLY_BY	TF
YELAH	WP	N34° 51' 15.0000", W116° 38' 40.9000"	15000	VNAV	240	FLY_BY	TF
WYZEE	WP	N35° 41' 45.9200", W115° 30' 12.6900"	15000	VNAV	240	FLY_BY	TF
BEALE	WP	N36° 10' 56.8300", W114° 49' 34.0900"	15000	VNAV	240	FLY_BY	TF
Climb Gradient: 280.0 ft/NM up to 628.0 ft MSL 200.0 ft/NM							

DME DME Assessment Results for STHBY1 path KLAX:RW24L:DER_BEALE

Flyability	
Flight Type:	SID
Selected Airport:	KLAX [IFPA]
Climb Gradient:	280.0 ft/NM up to 628.0 ft MSL 200.0 ft/NM
Speeds:	130 at the Runway DER
	145 at the end of the VA or VI leg
	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:	Allowed
DoD Facilities:	Included
Foreign Facilities:	Not included
High DMEs:	Included
Low DMEs:	Included
Terminal DMEs:	Included
Flight Check DMEs:	Not selected
Higher Altitudes:	Not Evaluated
Near Maximum Altitude:	Not Evaluated
Automatic ESVs:	Enabled
Disabled DMEs:	None

DME DME Assessment Results for STHBY1 path KLAX:RW24L:DER_BEALE

DME/DME (Continued)										
DMEs Used										
#	Name	Lat/Lon	MAGVAR	Range	Type	Source	Critical	Status	Time	Distance
1	DAG	N34° 57' 44.8450", W116° 34' 41.3990"	15.0 E	40	L	IFPA	NO	Enabled	20.7 %	21 %
2	PMD	N34° 37' 53.0341", W118° 03' 49.7607"	15.0 E	130	H	IFPA	NO	Enabled	3.9 %	3.9 %
3	POM	N34° 04' 42.1962", W117° 47' 13.4633"	15.0 E	40	L	IFPA	NO	Enabled	20.6 %	20.4 %
4	SMO	N34° 00' 37.5301", W118° 27' 22.9701"	15.0 E	40	L	IFPA	NO	Enabled	26.5 %	26 %
5	VTU	N34° 06' 53.7239", W119° 02' 56.9994"	15.0 E	40	L	IFPA	NO	Enabled	3.2 %	3.1 %
6	SLI	N33° 46' 59.8839", W118° 03' 17.1304"	15.0 E	40	L	IFPA	NO	Enabled	28.4 %	28 %
7	SXC	N33° 22' 30.2010", W118° 25' 11.6750"	15.0 E	130	H	IFPA	NO	Enabled	13 %	12.7 %
8	PDZ	N33° 55' 06.0128", W117° 31' 47.9897"	15.0 E	130	H	IFPA	NO	Enabled	23 %	23.2 %
9	RIV	N33° 54' 23.2800", W117° 16' 30.1400"	14.0 E	40	L	IFPA	NO	Enabled	10.9 %	10.9 %
10	TRM	N33° 37' 41.1477", W116° 09' 36.6968"	13.0 E	130	H	IFPA	NO	Enabled	8.2 %	8.4 %
11	HEC	N34° 47' 49.2645", W116° 27' 46.5193"	15.0 E	130	H	IFPA	NO	Enabled	17.5 %	17.8 %
12	GOG	N35° 53' 39.3000", W115° 29' 45.9000"	0.0 E	130	DH	IFPA	NO	Enabled	44.1 %	44.7 %
13	EED	N34° 45' 57.6150", W114° 28' 26.7750"	15.0 E	130	H	IFPA	NO	Enabled	15 %	15.2 %
14	LAS	N36° 04' 46.9253", W115° 09' 35.2725"	15.0 E	130	H	IFPA	NO	Enabled	16.1 %	16.4 %
15	VNY	N34° 13' 26.4770", W118° 29' 30.2063"	15.0 E	40	L	IFPA	NO	Enabled	5.7 %	5.7 %
16	ELB	N33° 40' 33.7284", W117° 43' 51.9285"	14.0 E	25	T	IFPA	NO	Enabled	8.2 %	8 %
17	LAX	N33° 55' 59.3368", W118° 25' 55.2460"	15.0 E	130	H	IFPA	NO	Enabled	37.8 %	37.6 %
18	BLD	N35° 59' 44.8448", W114° 51' 48.8840"	15.0 E	130	H	IFPA	NO	Enabled	15 %	15.2 %
19	PGS	N35° 37' 28.9630", W113° 32' 40.0800"	15.0 E	130	DH	IFPA	NO	Enabled	10.3 %	10.4 %
20	OCN	N33° 14' 26.2815", W117° 25' 03.7947"	15.0 E	130	H	IFPA	NO	Enabled	12.9 %	13.1 %

DME DME Assessment Results for STHBY1 path KLAX:RW24L:DER_BEALE

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0						
2.6	SMO	SLI				
4.8						
7.1	SMO	SLI	LAX			
11.1	VTU	LAX	SMO	SLI		
15.1	VTU	LAX	SMO			
15.8	SMO	SLI	VTU	LAX		
16.2	SMO	SLI	VTU	LAX	GOG	
16.4	SMO	SLI	VTU	LAX		
18.0	SXC	SLI	SMO	LAX	VTU	
18.0	SMO	SLI	LAX	VTU		
18.2	SXC	SLI	SMO	LAX	VTU	
19.4	SXC	SLI	SMO	LAX		
20.0	SXC	SLI	SMO	LAX	GOG	
20.1	SXC	SLI	SMO	LAX		
20.6	SXC	SLI	SMO	LAX	GOG	
23.0	SMO	SLI	LAX	SXC		
23.8	SMO	SLI	LAX			
26.8	LAX	SLI	SMO	POM	SXC	
27.1	LAX	SLI	SMO			
27.2	LAX	SLI	SMO	SXC		
27.9	LAX	SLI	SMO	POM	SXC	
42.2	SXC	LAX	POM	SMO	ELB	
54.4	VNY	SLI	POM	ELB	SMO	LAX
54.9	VNY	SLI	POM	SMO	LAX	RIV
55.5	SMO	SLI	POM	LAX	RIV	PDZ
64.0	PDZ	SLI	LAX	OCN	VNY	SMO
68.0	PDZ	SLI	LAX	OCN	SMO	RIV
72.7	LAX	OCN	SLI	RIV	POM	PDZ
77.1	PDZ	LAX	OCN	POM	SLI	
84.7	POM	PMD	LAX	OCN	PDZ	
87.0	LAX	OCN	PMD	PDZ	TRM	
89.8	LAX	OCN	PDZ	TRM		
90.3	PMD	PDZ	LAX	OCN	TRM	
91.6	PMD	PDZ	TRM	LAX		
92.4	PDZ	LAX				
105.0						
115.8	DAG	TRM				
119.5	DAG	TRM	GOG			
125.9	HEC	TRM	DAG	GOG		
131.4	DAG	HEC				
133.3	DAG	HEC	GOG			
144.5	GOG	HEC				
144.7	GOG	HEC	DAG			
144.8	GOG	HEC				
150.1	DAG	HEC	GOG			
150.6	DAG	HEC				
162.7						
173.4	EED	HEC	GOG	DAG		
182.9	EED	GOG	DAG			
186.9	EED	GOG				
205.2	EED	LAS	GOG			
211.0	EED	LAS	GOG	PGS		
212.9	GOG	PGS	BLD	LAS		
214.3	EED	LAS	BLD	GOG		
214.6	GOG	BLD				

DME DME Assessment Results for STHBY1 path KLAX:RW24L:DER_BEALE

Flight Check DME Selection

Distance [NM]	Selected DMEs					Alternate
217.5	GOG	BLD	LAS			
230.8	GOG	LAS	PGS	BLD		
241.8						
246.0	GOG	LAS				
246.2						
247.0	GOG	PGS				
249.2	GOG	BLD	PGS			
251.0	GOG	BLD	LAS	PGS		

Inertial Drift Segments

#	Start Location	End Location	Length [NM]
1	N33° 56' 48.2756", W118° 26' 07.3519"	N33° 55' 52.2333", W118° 28' 38.6771"	2.5873
2	N33° 53' 48.7922", W118° 29' 37.7781"	N33° 51' 40.7944", W118° 30' 39.0097"	2.2927
3	N34° 28' 32.0240", W117° 12' 04.8257"	N34° 35' 23.8747", W117° 01' 53.4945"	10.8486
4	N35° 06' 05.2878", W116° 18' 48.4204"	N35° 13' 17.1333", W116° 09' 05.7909"	10.7251
5	N35° 58' 50.0781", W115° 06' 32.2682"	N36° 01' 39.4296", W115° 02' 35.7747"	4.2628
6	N36° 01' 47.3647", W115° 02' 24.6822"	N36° 02' 19.1024", W115° 01' 40.3059"	0.7993

Available DMEs by Waypoints

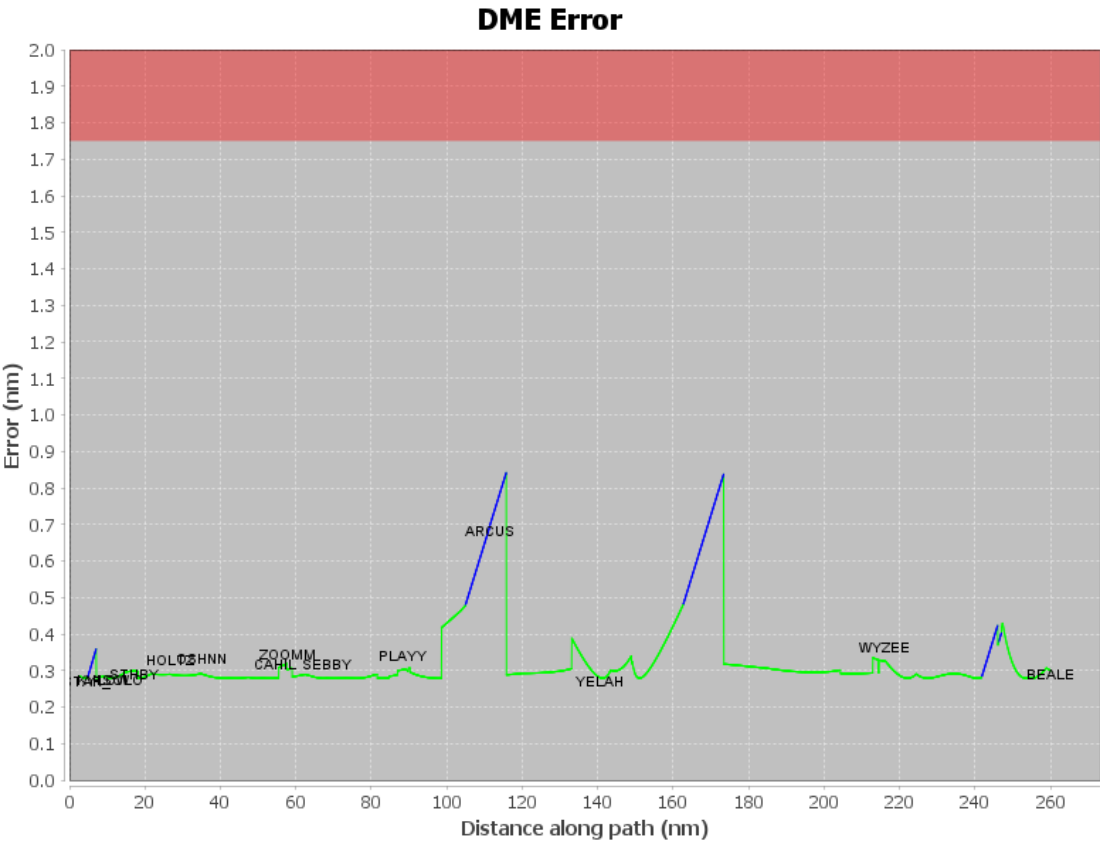
Waypoint Before	Waypoint After	DME List	Suggested DMEs
KLAX:RW24L:DER	DSTAR_	SLI, SMO	
DSTAR_	KYLOW	SLI, LAX, SMO	
KYLOW	HSOLO	SLI, LAX, SMO, VTU	
HSOLO	STHBY	SLI, LAX, SMO, VTU, GOG	
STHBY	HOLTZ	SLI, LAX, SMO, VTU, GOG, SXC, POM	
HOLTZ	OSHNN	SLI, LAX, SMO, ELB, GOG, POM, SXC	
OSHNN	CAHIL	VNY, SLI, LAX, SMO, PDZ, ELB, RIV, POM, SXC	
CAHIL	ZOOMM	VNY, SLI, LAX, SMO, PDZ, ELB, OCN, RIV, POM, SXC	
ZOOMM	SEBBY	VNY, SLI, LAX, SMO, PDZ, OCN, RIV, POM	
SEBBY	PLAYY	VNY, SLI, LAX, SMO, PMD, PDZ, OCN, RIV, TRM, POM	
PLAYY	ARCUS	LAX, PMD, PDZ, OCN, TRM	
ARCUS	YELAH	HEC, DAG, TRM, GOG	
YELAH	WYZEE	EED, HEC, DAG, BLD, PGS, GOG, LAS	
WYZEE	BEALE	BLD, PGS, GOG, LAS	

User Data Files

#	File Name
1	New Analysis.udt

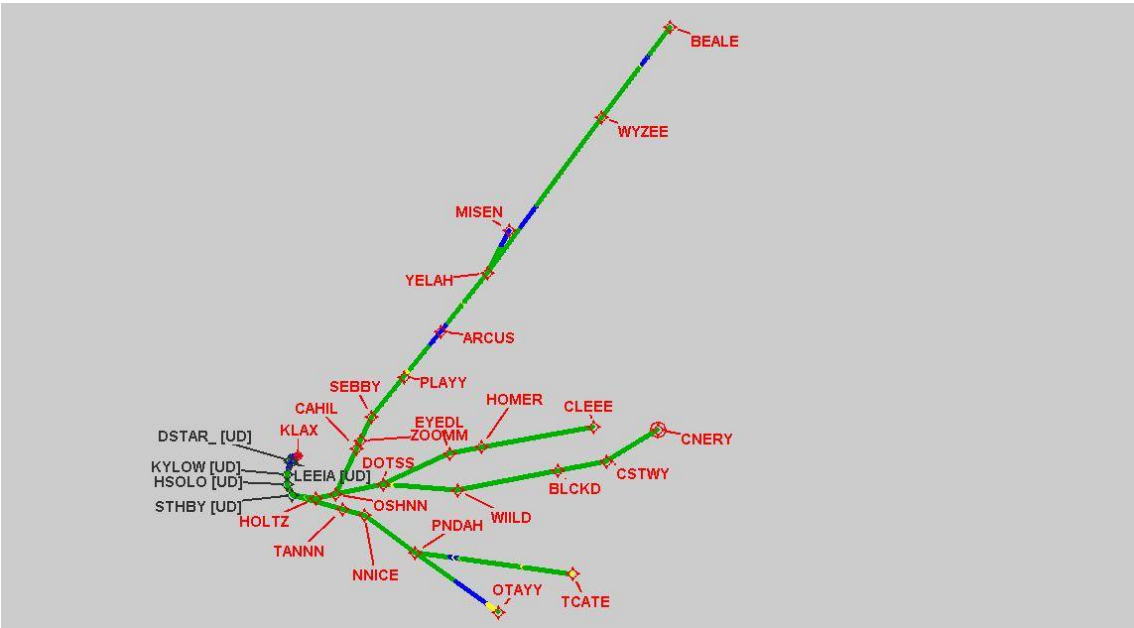
User DMEs

#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	EED EED [IFPA]	N34° 45' 57.6150", W114° 28' 26.7750"	15.0 E	130	620	115.2	EED	
ESV:		Bearing [True]: 272.0° to 317.0° Bearing [Mag]: 257.0° to 302.0°				Arc Distance: Out to 109.0 NM Altitude: 11400.0 to 18700.0 ft		
2	JLI FAA 704158-40 JLI [IFPA]	N33° 08' 25.6510", W116° 35' 09.3650"	15.0 E	40	5560	114.0	JLI FAA 704158-40	
ESV:		Bearing [True]: 214.0° to 231.0° Bearing [Mag]: 199.0° to 216.0°				Arc Distance: Out to 47.0 NM Altitude: 6900.0 to 24000.0 ft		
3	SXC FAA 190728-5 SXC [IFPA]	N33° 22' 30.2010", W118° 25' 11.6750"	15.0 E	130	2090	114.15	SXC FAA 190728-5	
ESV:		Bearing [True]: 110.0° to 127.0° Bearing [Mag]: 95.0° to 112.0°				Arc Distance: Out to 57.0 NM Altitude: 5100.0 to 22000.0 ft		



DME DME Assessment Results for STHBY1 path KLAX:RW24L:DER_BEALE

Graphic Depiction 1



DME DME Assessment Results for STHBY1 path KLAX:RW24R:DER_DSTAR_

Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Bob CTR Graham
Project File:	C:\Users\Bob CTR Graham\Desktop\AREA NAV Projects and TARGETS Files\LAX\ODO SIDs_12-29-22\STHBY1_AUG 2021\TARGETS\20231130_STHBY1.tgs
Output File:	C:\Users\Bob CTR Graham\Desktop\AREA NAV Projects and TARGETS Files\LAX\ODO SIDs_12-29-22\STHBY1_AUG 2021\FINAL DOCS NOV 2023\KLAX [IFPA] STHBY1 20231130_1122 MST\KLAX-RW24R-DER_DSTAR_KLAX STHBY1 SID RW24R DSTAR 20231130_1122 MST.pdf
Procedure Name:	STHBY1
Software: DmeDmePlugin:	7.2.1
Date/Time:	11/30/2023 11:22 MST
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
KLAX:RW24R:DER	WP	N33° 56' 56.8049", W118° 25' 52.1755"	113.1	VNAV	130	FLY_BY	TF
DSTAR_	WP	N33° 55' 14.1190", W118° 28' 56.9289"	919.9	VNAV	230	FLY_BY	TF
Climb Gradient: 260.0 ft/NM up to 628.0 ft MSL 200.0 ft/NM							

Flyability

Flight Type:	SID
Selected Airport:	KLAX [IFPA]
Climb Gradient:	260.0 ft/NM up to 628.0 ft MSL 200.0 ft/NM
Speeds:	130 at the Runway DER
	145 at the end of the VA or VI leg
	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 STHBY1 path KLAX:RW24R:DER_DSTAR_

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:	Allowed
DoD Facilities:	Included
Foreign Facilities:	Not included
High DMEs:	Included
Low DMEs:	Included
Terminal DMEs:	Included
Flight Check DMEs:	Not selected
Higher Altitudes:	Not Evaluated
Near Maximum Altitude:	Not Evaluated
Automatic ESVs:	Enabled
Disabled DMEs:	None

DME/DME (Continued)										
DMEs Used										
#	Name	Lat/Lon	MAGVAR	Range	Type	Source	Critical	Status	Time	Distance
1	SMO	N34° 00' 37.5301", W118° 27' 22.9701"	15.0 E	40	L	IFPA	NO	Enabled	14.4 %	19.9 %
2	SLI	N33° 46' 59.8839", W118° 03' 17.1304"	15.0 E	40	L	IFPA	NO	Enabled	14.4 %	19.9 %

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0						
2.9	SMO	SLI				

Inertial Drift Segments			
#	Start Location	End Location	Length [NM]
1	N33° 56' 56.5406", W118° 25' 54.7531"	N33° 55' 53.7387", W118° 28' 37.9561"	2.8182

Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
KLAX:RW24R:DER	DSTAR_	SLI, SMO	

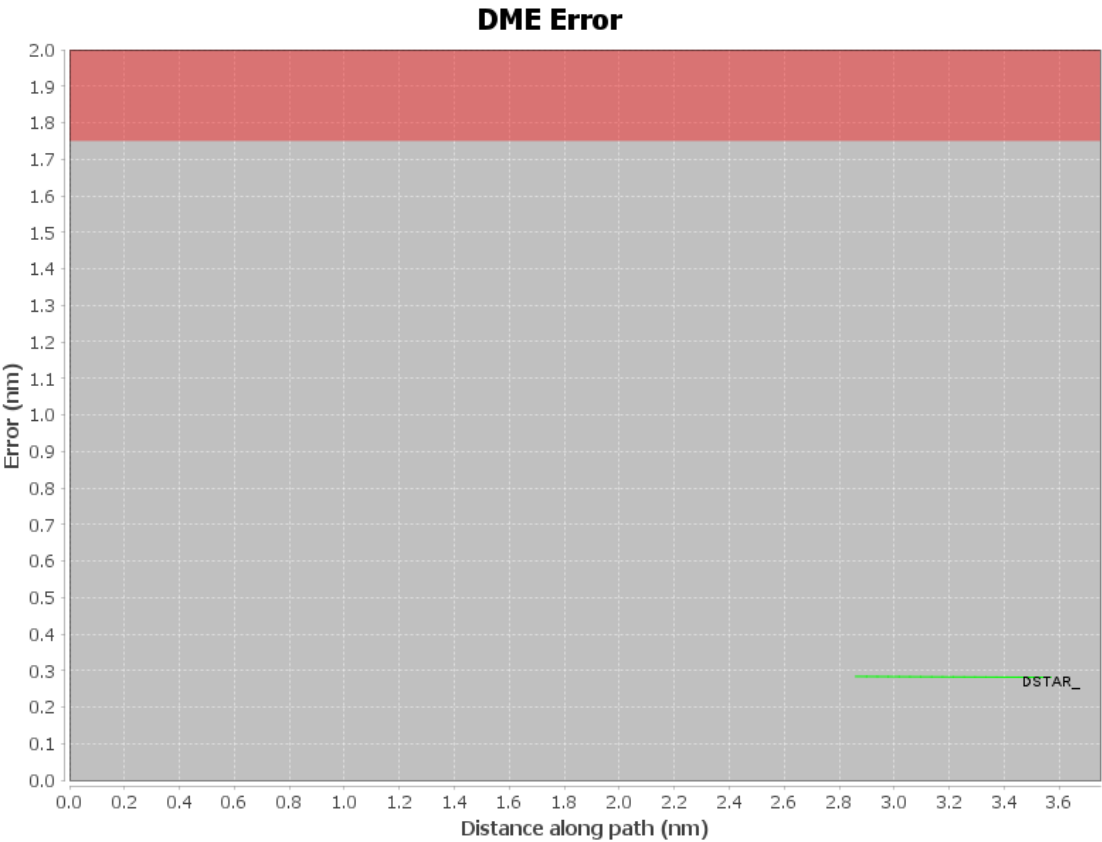
DME DME Assessment Results for STHBY1 path KLAX:RW24R:DER_DSTAR_

User Data Files

#	File Name
1	New Analysis.udt

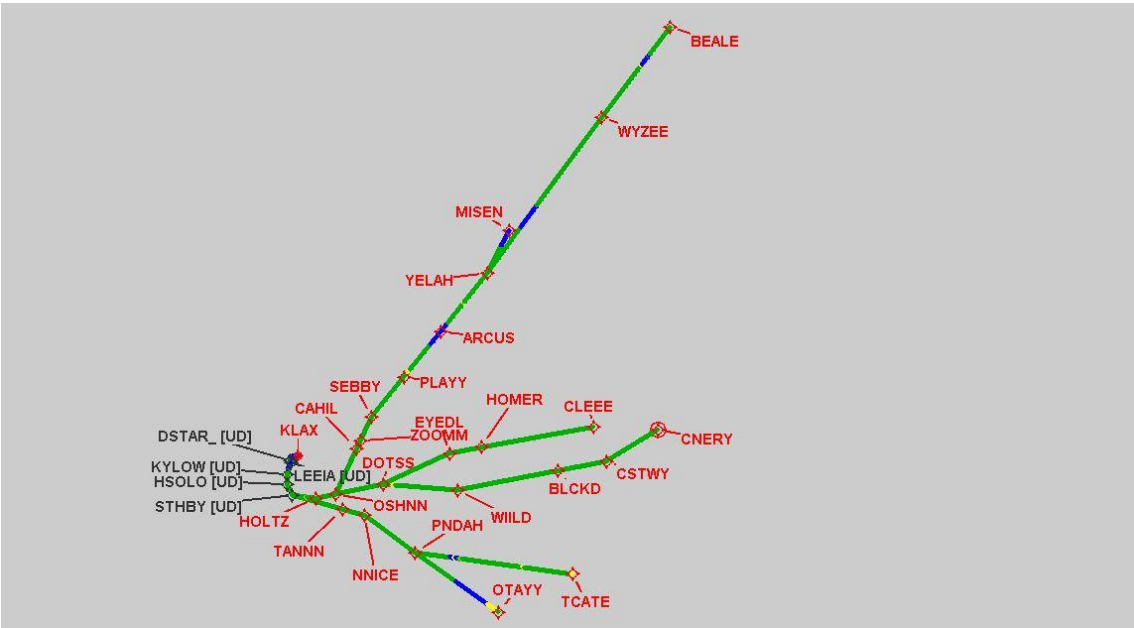
User DMEs

#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	EED EED [IFPA]	N34° 45' 57.6150", W114° 28' 26.7750"	15.0 E	130	620	115.2	EED	
ESV:		Bearing [True]: 272.0° to 317.0° Bearing [Mag]: 257.0° to 302.0°				Arc Distance: Out to 109.0 NM Altitude: 11400.0 to 18700.0 ft		
2	JLI FAA 704158-40 JLI [IFPA]	N33° 08' 25.6510", W116° 35' 09.3650"	15.0 E	40	5560	114.0	JLI FAA 704158-40	
ESV:		Bearing [True]: 214.0° to 231.0° Bearing [Mag]: 199.0° to 216.0°				Arc Distance: Out to 47.0 NM Altitude: 6900.0 to 24000.0 ft		
3	SXC FAA 190728-5 SXC [IFPA]	N33° 22' 30.2010", W118° 25' 11.6750"	15.0 E	130	2090	114.15	SXC FAA 190728-5	
ESV:		Bearing [True]: 110.0° to 127.0° Bearing [Mag]: 95.0° to 112.0°				Arc Distance: Out to 57.0 NM Altitude: 5100.0 to 22000.0 ft		



DME DME Assessment Results for STHBY1 path KLAX:RW24R:DER_DSTAR_

Graphic Depiction 1



DME DME Assessment Results for STHBY1 path KLAX:RW25L:DER_KYLOW

Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Bob CTR Graham
Project File:	C:\Users\Bob CTR Graham\Desktop\AREA NAV Projects and TARGETS Files\LAX\ODO SIDs_12-29-22\STHBY1_AUG 2021\TARGETS\20231130_STHBY1.tgs
Output File:	C:\Users\Bob CTR Graham\Desktop\AREA NAV Projects and TARGETS Files\LAX\ODO SIDs_12-29-22\STHBY1_AUG 2021\FINAL DOCS NOV 2023\KLAX [IFPA] STHBY1 20231130_1122 MST\KLAX-RW25L-DER_KYLOW\KLAX STHBY1 SID RW25L KYLOW 20231130_1122 MST.pdf
Procedure Name:	STHBY1
Software: DmeDmePlugin:	7.2.1
Date/Time:	11/30/2023 11:22 MST
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
KLAX:RW25L:DER	WP	N33° 56' 01.1378", W118° 25' 08.4660"	121.7	VNAV	130	FLY_BY	TF
LEEIA	WP	N33° 54' 23.0446", W118° 28' 40.2339"	941.8	VNAV	230	FLY_BY	TF
KYLOW	WP	N33° 50' 04.7900", W118° 31' 24.9000"	1915.1	VNAV	230	FLY_BY	TF
Climb Gradient: 230.0 ft/NM up to 628.0 ft MSL 200.0 ft/NM							

Flyability

Flight Type:	SID
Selected Airport:	KLAX [IFPA]
Climb Gradient:	230.0 ft/NM up to 628.0 ft MSL 200.0 ft/NM
Speeds:	130 at the Runway DER
	145 at the end of the VA or VI leg
	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 STHBY1 path KLAX:RW25L:DER_KYLOW

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:	Allowed
DoD Facilities:	Included
Foreign Facilities:	Not included
High DMEs:	Included
Low DMEs:	Included
Terminal DMEs:	Included
Flight Check DMEs:	Not selected
Higher Altitudes:	Not Evaluated
Near Maximum Altitude:	Not Evaluated
Automatic ESVs:	Enabled
Disabled DMEs:	None

DME/DME (Continued)										
DMEs Used										
#	Name	Lat/Lon	MAGVAR	Range	Type	Source	Critical	Status	Time	Distance
1	SMO	N34° 00' 37.5301", W118° 27' 22.9701"	15.0 E	40	L	IFPA	NO	Enabled	25.1 %	29.6 %
2	SLI	N33° 46' 59.8839", W118° 03' 17.1304"	15.0 E	40	L	IFPA	NO	Enabled	25.1 %	29.6 %
3	LAX	N33° 55' 59.3368", W118° 25' 55.2460"	15.0 E	130	H	IFPA	NO	Enabled	15.4 %	19 %

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0						
2.8	SMO	SLI				
3.8						
7.0	SMO	SLI	LAX			

Inertial Drift Segments			
#	Start Location	End Location	Length [NM]
1	N33° 56' 00.8732", W118° 25' 11.0489"	N33° 55' 13.3272", W118° 28' 08.1631"	2.7809
2	N33° 54' 23.0446", W118° 28' 40.2339"	N33° 51' 32.0000", W118° 30' 29.3293"	3.2232

Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
KLAX:RW25L:DER	LEEIA	SLI, SMO	
LEEIA	KYLOW	SLI, LAX, SMO	

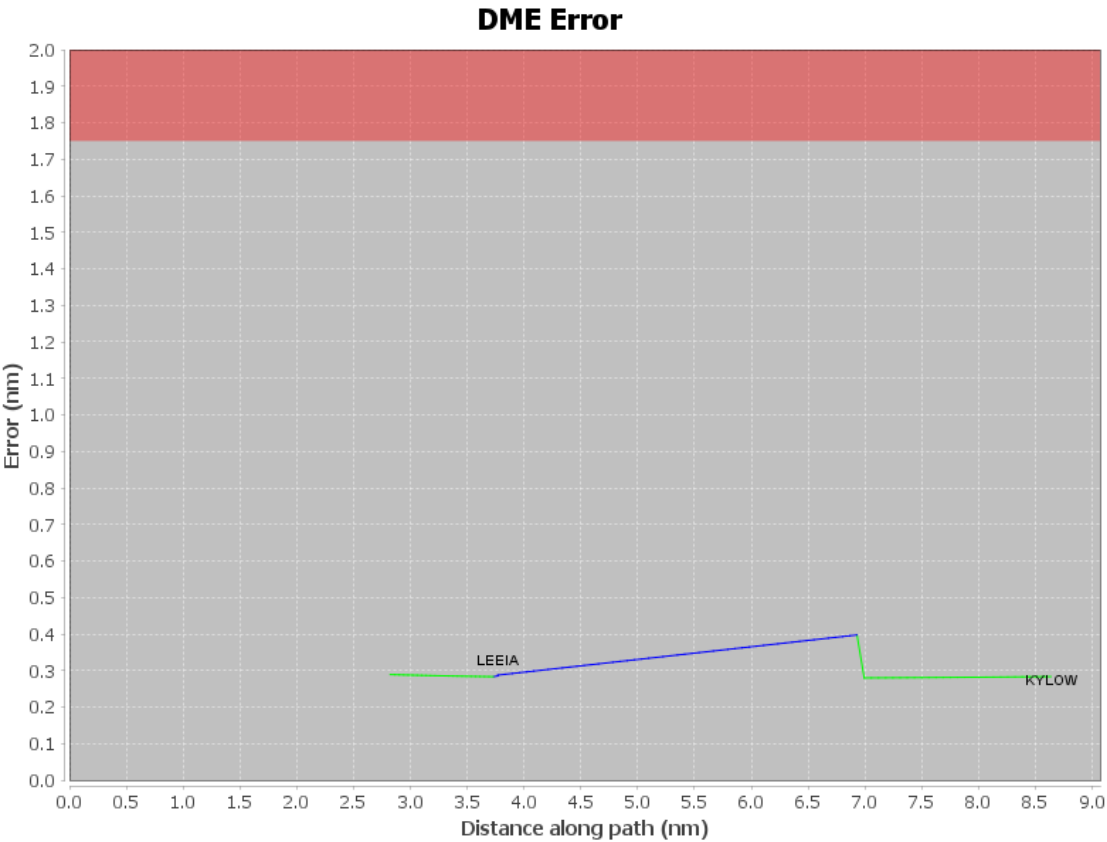
DME DME Assessment Results for STHBY1 path KLAX:RW25L:DER_KYLOW

User Data Files

#	File Name
1	New Analysis.udt

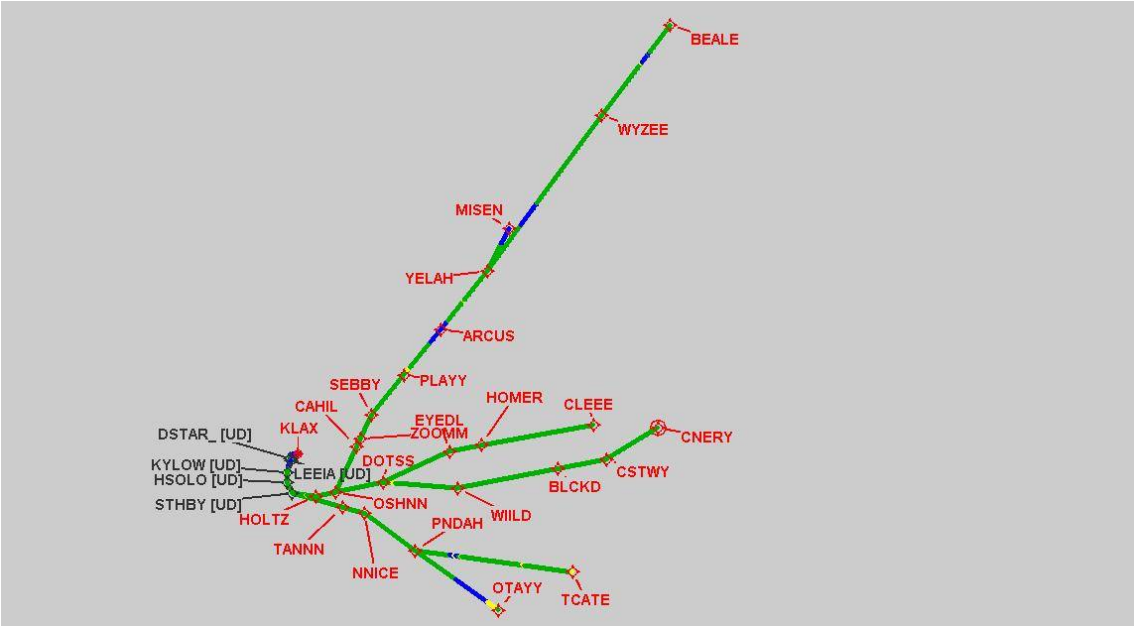
User DMEs

#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	EED EED [IFPA]	N34° 45' 57.6150", W114° 28' 26.7750"	15.0 E	130	620	115.2	EED	
ESV:		Bearing [True]: 272.0° to 317.0° Bearing [Mag]: 257.0° to 302.0°				Arc Distance: Out to 109.0 NM Altitude: 11400.0 to 18700.0 ft		
2	JLI FAA 704158-40 JLI [IFPA]	N33° 08' 25.6510", W116° 35' 09.3650"	15.0 E	40	5560	114.0	JLI FAA 704158-40	
ESV:		Bearing [True]: 214.0° to 231.0° Bearing [Mag]: 199.0° to 216.0°				Arc Distance: Out to 47.0 NM Altitude: 6900.0 to 24000.0 ft		
3	SXC FAA 190728-5 SXC [IFPA]	N33° 22' 30.2010", W118° 25' 11.6750"	15.0 E	130	2090	114.15	SXC FAA 190728-5	
ESV:		Bearing [True]: 110.0° to 127.0° Bearing [Mag]: 95.0° to 112.0°				Arc Distance: Out to 57.0 NM Altitude: 5100.0 to 22000.0 ft		



DME DME Assessment Results for STHBY1 path KLAX:RW25L:DER_KYLOW

Graphic Depiction 1



DME DME Assessment Results for STHBY1 path KLAX:RW25R:DER_LEEIA

Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Bob CTR Graham
Project File:	C:\Users\Bob CTR Graham\Desktop\AREA NAV Projects and TARGETS Files\LAX\ODO SIDs_12-29-22\STHBY1_AUG 2021\TARGETS\20231130_STHBY1.tgs
Output File:	C:\Users\Bob CTR Graham\Desktop\AREA NAV Projects and TARGETS Files\LAX\ODO SIDs_12-29-22\STHBY1_AUG 2021\FINAL DOCS NOV 2023\KLAX [IFPA] STHBY1 20231130_1122 MST\KLAX-RW25R-DER_LEEIA\KLAX STHBY1 SID RW25R LEEIA 20231130_1122 MST.pdf
Procedure Name:	STHBY1
Software: DmeDmePlugin:	7.2.1
Date/Time:	11/30/2023 11:22 MST
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
KLAX:RW25R:DER	WP	N33° 56' 07.9864", W118° 25' 19.4335"	114.8	VNAV	130	FLY_BY	TF
LEEIA	WP	N33° 54' 23.0446", W118° 28' 40.2339"	941.8	VNAV	230	FLY_BY	TF
Climb Gradient: 260.0 ft/NM up to 628.0 ft MSL 200.0 ft/NM							

Flyability

Flight Type:	SID
Selected Airport:	KLAX [IFPA]
Climb Gradient:	260.0 ft/NM up to 628.0 ft MSL 200.0 ft/NM
Speeds:	130 at the Runway DER
	145 at the end of the VA or VI leg
	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 STHBY1 path KLAX:RW25R:DER_LEEIA

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:	Allowed
DoD Facilities:	Included
Foreign Facilities:	Not included
High DMEs:	Included
Low DMEs:	Included
Terminal DMEs:	Included
Flight Check DMEs:	Not selected
Higher Altitudes:	Not Evaluated
Near Maximum Altitude:	Not Evaluated
Automatic ESVs:	Enabled
Disabled DMEs:	None

DME/DME (Continued)											
DMEs Used											
#	Name	Lat/Lon	MAGVAR	Range	Type	Source	Critical	Status	Time	Distance	
1	SMO	N34° 00' 37.5301", W118° 27' 22.9701"	15.0 E	40	L	IFPA	NO	Enabled	20.2 %	26.8 %	
2	SLI	N33° 46' 59.8839", W118° 03' 17.1304"	15.0 E	40	L	IFPA	NO	Enabled	20.2 %	26.8 %	

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0						
2.7	SMO	SLI				
3.7						

Inertial Drift Segments			
#	Start Location	End Location	Length [NM]
1	N33° 56' 07.7232", W118° 25' 22.0022"	N33° 55' 17.6119", W118° 28' 05.4298"	2.6325

Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
KLAX:RW25R:DER	LEEIA	SLI, SMO	

DME DME Assessment Results for STHBY1 path KLAX:RW25R:DER_LEEIA

User Data Files

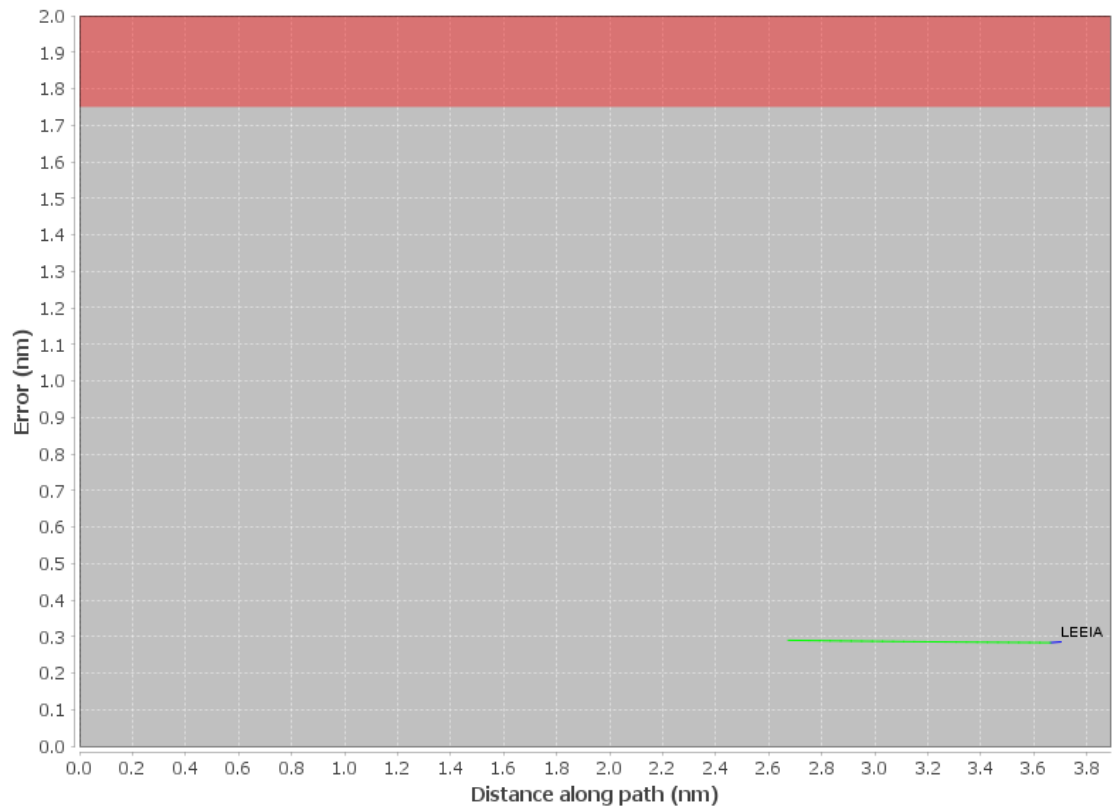
#	File Name
1	New Analysis.udt

User DMEs

#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	EED EED [IFPA]	N34° 45' 57.6150", W114° 28' 26.7750"	15.0 E	130	620	115.2	EED	
ESV:		Bearing [True]: 272.0° to 317.0° Bearing [Mag]: 257.0° to 302.0°				Arc Distance: Out to 109.0 NM Altitude: 11400.0 to 18700.0 ft		
2	JLI FAA 704158-40 JLI [IFPA]	N33° 08' 25.6510", W116° 35' 09.3650"	15.0 E	40	5560	114.0	JLI FAA 704158-40	
ESV:		Bearing [True]: 214.0° to 231.0° Bearing [Mag]: 199.0° to 216.0°				Arc Distance: Out to 47.0 NM Altitude: 6900.0 to 24000.0 ft		
3	SXC FAA 190728-5 SXC [IFPA]	N33° 22' 30.2010", W118° 25' 11.6750"	15.0 E	130	2090	114.15	SXC FAA 190728-5	
ESV:		Bearing [True]: 110.0° to 127.0° Bearing [Mag]: 95.0° to 112.0°				Arc Distance: Out to 57.0 NM Altitude: 5100.0 to 22000.0 ft		

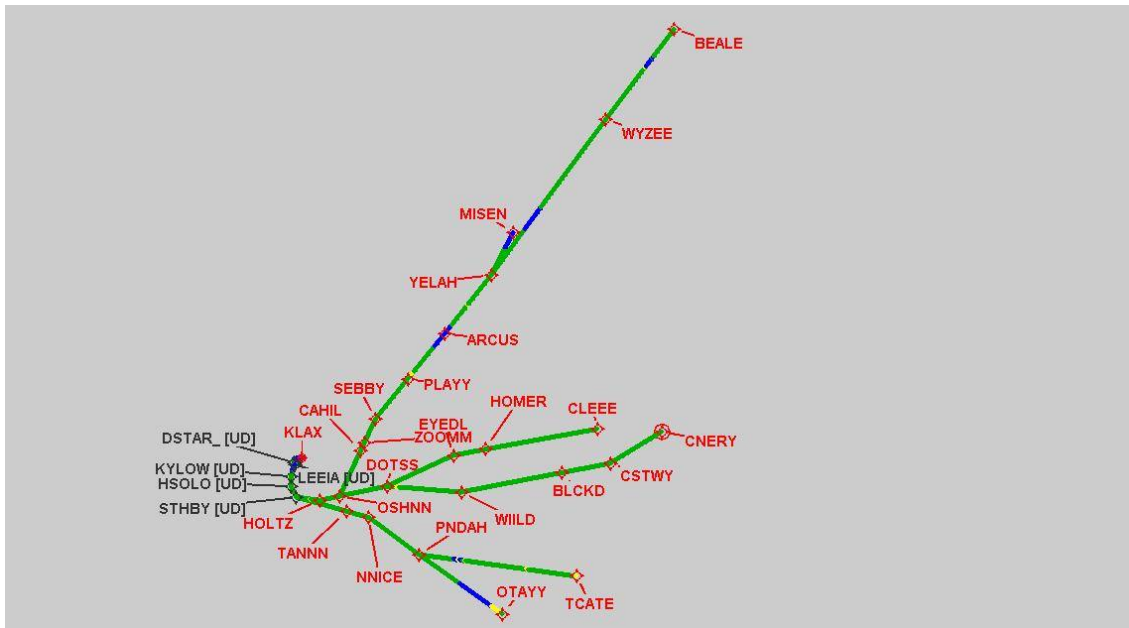
DME DME Assessment Results for STHBY1 path KLAX:RW25R:DER_LEEIA

DME Error



DME DME Assessment Results for STHBY1 path KLAX:RW25R:DER_LEEIA

Graphic Depiction 1



DME DME Assessment Results for STHBY1 path STHBY_OTAYY

Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Bob CTR Graham
Project File:	C:\Users\Bob CTR Graham\Desktop\AREA NAV Projects and TARGETS Files\LAX\ODO SIDs_12-29-22\STHBY1_AUG 2021\TARGETS\20231130_STHBY1.tgs
Output File:	C:\Users\Bob CTR Graham\Desktop\AREA NAV Projects and TARGETS Files\LAX\ODO SIDs_12-29-22\STHBY1_AUG 2021\FINAL DOCS NOV 2023\KLAX [IFPA] STHBY1 20231130_1122 MST\STHBY_OTAYY\KLAX STHBY1 SID STHBY OTAYY 20231130_1122 MST.pdf
Procedure Name:	STHBY1
Software: DmeDmePlugin:	7.2.1
Date/Time:	11/30/2023 11:22 MST
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
STHBY	WP	N33° 41' 55.3234", W118° 31' 06.2936"	3000	VNAV	230	FLY_BY	TF
TANNN	WP	N33° 32' 15.0000", W118° 09' 01.2300"	15000	VNAV	240	FLY_BY	TF
NNICE	WP	N33° 28' 07.6700", W117° 59' 26.8900"	7800	VNAV	240	FLY_BY	TF
PNDAAH	WP	N33° 09' 42.0000", W117° 39' 56.0000"	15000	VNAV	240	FLY_BY	TF
OTAYY	WP	N32° 39' 54.4500", W117° 06' 58.4500"	15000	VNAV	240	FLY_BY	TF

Flyability

Flight Type:	SID
Selected Airport:	KLAX [IFPA]
Climb Gradient:	None assigned
Speeds:	130 at the Runway DER
	145 at the end of the VA or VI leg
	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 STHBY1 path STHBY_OTAYY

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:	Allowed
DoD Facilities:	Included
Foreign Facilities:	Not included
High DMEs:	Included
Low DMEs:	Included
Terminal DMEs:	Included
Flight Check DMEs:	Not selected
Higher Altitudes:	Not Evaluated
Near Maximum Altitude:	Not Evaluated
Automatic ESVs:	Enabled
Disabled DMEs:	None

DME/DME (Continued)										
DMEs Used										
#	Name	Lat/Lon	MAGVAR	Range	Type	Source	Critical	Status	Time	Distance
1	GOG	N35° 53' 39.3000", W115° 29' 45.9000"	0.0 E	130	DH	IFPA	NO	Enabled	5.1 %	5 %
2	MZB	N32° 46' 55.9467", W117° 13' 31.5170"	15.0 E	130	H	IFPA	NO	Enabled	30.9 %	31 %
3	SMO	N34° 00' 37.5301", W118° 27' 22.9701"	15.0 E	40	L	IFPA	NO	Enabled	29.1 %	28.9 %
4	VTU	N34° 06' 53.7239", W119° 02' 56.9994"	15.0 E	40	L	IFPA	NO	Enabled	2.7 %	2.6 %
5	SLI	N33° 46' 59.8839", W118° 03' 17.1304"	15.0 E	40	L	IFPA	NO	Enabled	53.7 %	53.6 %
6	LAX	N33° 55' 59.3368", W118° 25' 55.2460"	15.0 E	130	H	IFPA	NO	Enabled	62.4 %	62.3 %
7	JLI	N33° 08' 25.6510", W116° 35' 09.3650"	15.0 E	40	L	IFPA	NO	Enabled	5.7 %	5.7 %
8	SXC	N33° 22' 30.2010", W118° 25' 11.6750"	15.0 E	130	H	IFPA	NO	Enabled	58.5 %	58.4 %
9	OCN	N33° 14' 26.2815", W117° 25' 03.7947"	15.0 E	130	H	IFPA	NO	Enabled	61.9 %	62.1 %
10	PDZ	N33° 55' 06.0128", W117° 31' 47.9897"	15.0 E	130	H	IFPA	NO	Enabled	2.1 %	2.1 %
11	PGY	N32° 36' 37.2239", W116° 58' 44.7601"	14.0 E	130	H	IFPA	NO	Enabled	15.9 %	16 %

DME DME Assessment Results for STHBY1 path STHBY_OTAYY

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	SMO	SLI	VTU	LAX		
1.0	SXC	SLI	SMO	LAX	VTU	
1.5	SMO	SLI	LAX	VTU		
1.5	SXC	SLI	SMO	LAX	VTU	
1.6	SMO	SLI	LAX	VTU		
1.7	SXC	SLI	SMO	LAX	VTU	
2.5	SXC	SLI	SMO	LAX		
3.4	SXC	SLI	SMO	LAX	GOG	
8.3	SMO	SLI	LAX	SXC		
11.4	LAX	SLI	SMO			
11.8	LAX	SLI	SMO	SXC		
20.2	SXC	MZB	LAX	SMO	SLI	
21.8	SXC	LAX	SMO	SLI		
21.9	SXC	LAX	SMO	OCN	SLI	
27.6	PDZ	LAX	SXC	SLI	OCN	
29.2	SXC	SLI	LAX	OCN		
33.9	SXC	SLI	OCN			
46.6	OCN	SLI	SXC	MZB		
51.0	OCN	MZB				
53.4	LAX	OCN	MZB			
62.8	PGY	OCN	MZB	LAX		
65.0	SXC	OCN	PGY	MZB	LAX	
69.1	SXC	OCN	PGY	LAX		
71.5	PGY	OCN	LAX			
72.7	LAX	OCN				
74.2						
89.7	JLI	MZB	PGY	OCN	LAX	
94.4	JLI	MZB	PGY	OCN		

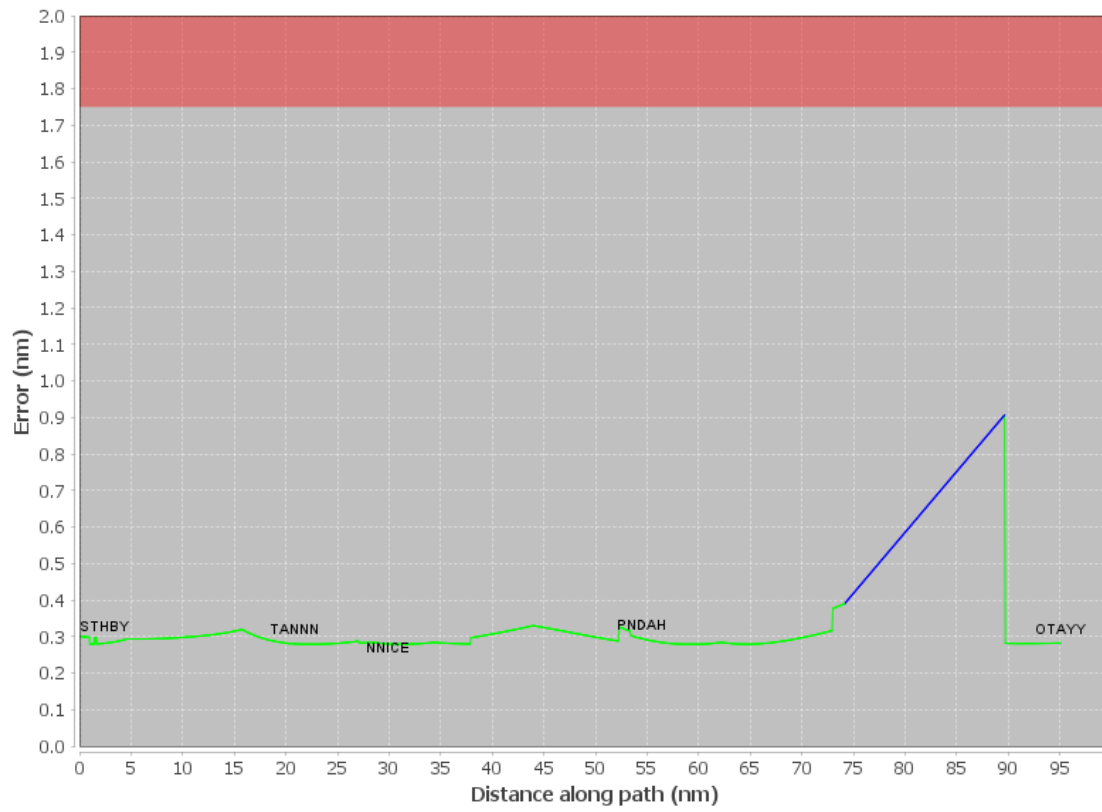
Inertial Drift Segments			
#	Start Location	End Location	Length [NM]
1	N32° 55' 14.1960", W117° 23' 51.9776"	N32° 43' 51.9307", W117° 11' 19.3473"	15.5088

Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
STHBY	TANNN	SLI, LAX, SMO, MZB, VTU, OCN, GOG, SXC	
TANNN	NNICE	SLI, LAX, SMO, MZB, PDZ, OCN, SXC	
NNICE	PNDAAH	SLI, LAX, MZB, OCN, SXC	
PNDAAH	OTAYY	LAX, PGY, MZB, JLI, OCN, SXC	

User Data Files								
#	File Name							
1	New Analysis.udt							
User DMEs								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	EED EED [IFPA]	N34° 45' 57.6150", W114° 28' 26.7750"	15.0 E	130	620	115.2	EED	
ESV:		Bearing [True]: 272.0° to 317.0° Bearing [Mag]: 257.0° to 302.0°				Arc Distance: Out to 109.0 NM Altitude: 11400.0 to 18700.0 ft		
2	JLI FAA 704158-40 JLI [IFPA]	N33° 08' 25.6510", W116° 35' 09.3650"	15.0 E	40	5560	114.0	JLI FAA 704158-40	
ESV:		Bearing [True]: 214.0° to 231.0° Bearing [Mag]: 199.0° to 216.0°				Arc Distance: Out to 47.0 NM Altitude: 6900.0 to 24000.0 ft		
3	SXC FAA 190728-5 SXC [IFPA]	N33° 22' 30.2010", W118° 25' 11.6750"	15.0 E	130	2090	114.15	SXC FAA 190728-5	
ESV:		Bearing [True]: 110.0° to 127.0° Bearing [Mag]: 95.0° to 112.0°				Arc Distance: Out to 57.0 NM Altitude: 5100.0 to 22000.0 ft		

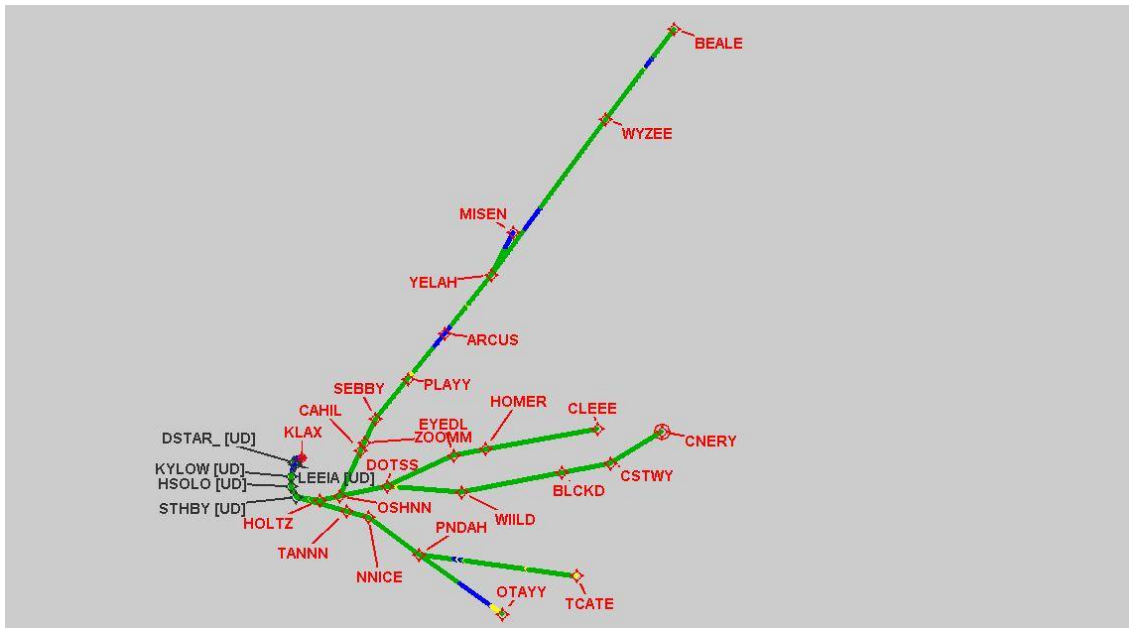
DME DME Assessment Results for STHBY1 path STHBY_OTAYY

DME Error



DME DME Assessment Results for STHBY1 path STHBY_OTAYY

Graphic Depiction 1



DME DME Assessment Results for STHBY1 path YELAH_MISEN

Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Bob CTR Graham
Project File:	C:\Users\Bob CTR Graham\Desktop\AREA NAV Projects and TARGETS Files\LAX\ODO SIDs_12-29-22\STHBY1_AUG 2021\TARGETS\20231130_STHBY1.tgs
Output File:	C:\Users\Bob CTR Graham\Desktop\AREA NAV Projects and TARGETS Files\LAX\ODO SIDs_12-29-22\STHBY1_AUG 2021\FINAL DOCS NOV 2023\KLAX [IFPA] STHBY1 20231130_1122 MST\YELAH_MISEN\KLAX STHBY1 SID YELAH MISEN 20231130_1122 MST.pdf
Procedure Name:	STHBY1
Software: DmeDmePlugin:	7.2.1
Date/Time:	11/30/2023 11:22 MST
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
YELAH	WP	N34° 51' 15.0000", W116° 38' 40.9000"	15000	VNAV	240	FLY_BY	TF
MISEN	WP	N35° 06' 08.4600", W116° 24' 13.8600"	15000	VNAV	240	FLY_BY	TF

Flyability

Flight Type:	SID
Selected Airport:	KLAX [IFPA]
Climb Gradient:	None assigned
Speeds:	130 at the Runway DER
	145 at the end of the VA or VI leg
	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 STHBY1 path YELAH_MISEN

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:	Allowed
DoD Facilities:	Included
Foreign Facilities:	Not included
High DMEs:	Included
Low DMEs:	Included
Terminal DMEs:	Included
Flight Check DMEs:	Not selected
Higher Altitudes:	Not Evaluated
Near Maximum Altitude:	Not Evaluated
Automatic ESVs:	Enabled
Disabled DMEs:	None

DME/DME (Continued)										
DMEs Used										
#	Name	Lat/Lon	MAGVAR	Range	Type	Source	Critical	Status	Time	Distance
1	HEC	N34° 47' 49.2645", W116° 27' 46.5193"	15.0 E	130	H	IFPA	NO	Enabled	63.6 %	63.6 %
2	DAG	N34° 57' 44.8450", W116° 34' 41.3990"	15.0 E	40	L	IFPA	NO	Enabled	18.5 %	18.5 %
3	GOG	N35° 53' 39.3000", W115° 29' 45.9000"	0.0 E	130	DH	IFPA	NO	Enabled	63.6 %	63.6 %

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	DAG	HEC	GOG			
3.3	GOG	HEC				
4.2	GOG	HEC	DAG			
4.5	GOG	HEC				
12.2						

Inertial Drift Segments			
#	Start Location	End Location	Length [NM]
1	N35° 00' 46.8919", W116° 29' 26.7188"	N35° 06' 08.4600", W116° 24' 13.8600"	6.8525

Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
YELAH	MISEN	HEC, DAG, GOG	

DME DME Assessment Results for STHBY1 path YELAH_MISEN

User Data Files

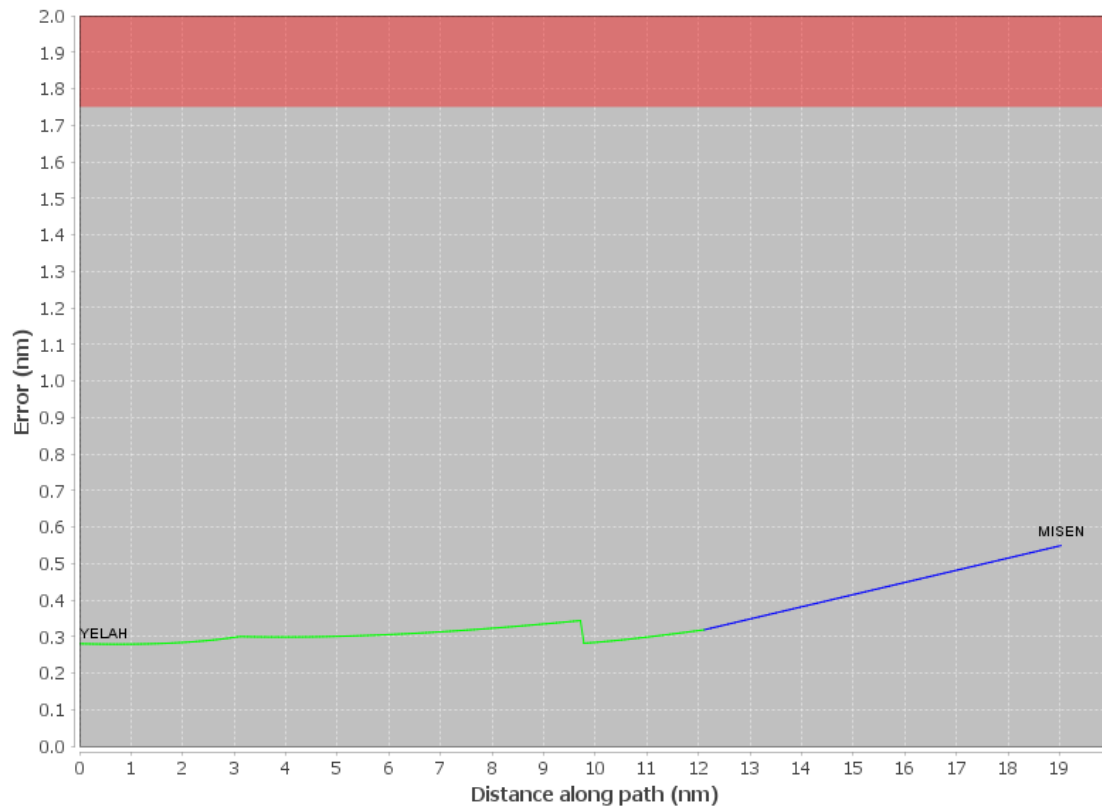
#	File Name
1	New Analysis.udt

User DMEs

#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	EED EED [IFPA]	N34° 45' 57.6150", W114° 28' 26.7750"	15.0 E	130	620	115.2	EED	
ESV:		Bearing [True]: 272.0° to 317.0° Bearing [Mag]: 257.0° to 302.0°				Arc Distance: Out to 109.0 NM Altitude: 11400.0 to 18700.0 ft		
2	JLI FAA 704158-40 JLI [IFPA]	N33° 08' 25.6510", W116° 35' 09.3650"	15.0 E	40	5560	114.0	JLI FAA 704158-40	
ESV:		Bearing [True]: 214.0° to 231.0° Bearing [Mag]: 199.0° to 216.0°				Arc Distance: Out to 47.0 NM Altitude: 6900.0 to 24000.0 ft		
3	SXC FAA 190728-5 SXC [IFPA]	N33° 22' 30.2010", W118° 25' 11.6750"	15.0 E	130	2090	114.15	SXC FAA 190728-5	
ESV:		Bearing [True]: 110.0° to 127.0° Bearing [Mag]: 95.0° to 112.0°				Arc Distance: Out to 57.0 NM Altitude: 5100.0 to 22000.0 ft		

DME DME Assessment Results for STHBY1 path YELAH_MISEN

DME Error



DME DME Assessment Results for STHBY1 path YELAH_MISEN

Graphic Depiction 1

