

DME DME Assessment Results for CTRUS5 path KSMO:RW21:DER_HAILO

Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Theodore CTR Roller
Project File:	C:\Users\Theodore CTR Roller\Desktop\SoCal\BUR\32274\Post\FPT\20260112 KBUR PTT32274 1.2.tgs
Output File:	C:\Users\Theodore CTR Roller\Desktop\SoCal\BUR\32274\Post\FPT\KSMO [IFPA] CTRUS5 20260115_1401 MST\KSMO-RW21-DER_HAILO\KSMO CTRUS5 SID RW21 HAILO 20260115_1401 MST.pdf
Procedure Name:	CTRUS5
Software: DmeDmePlugin:	7.6.0
Date/Time:	01/15/2026 14:01 MST
Databases:	MITRE 3DEP 3 arcsec

Failures

No Failures

Warnings

No Warnings

Informational

No Informational

Notes For Flight Check

None

Flight Plan

Name	Type	Lat/Lon	Altitude (ft)	VNAV Mode	Ground Speed (kts)	Turn Type	Leg Type
KSMO:RW21:DER	WP	N34° 00' 44.6269", W118° 27' 19.2910"	126.5	VNAV	130	FLY_BY	TF
WRASH	WP	N34° 00' 02.4800", W118° 35' 12.6300"	2175.2	VNAV	200	FLY_BY	TF
CTRUS	WP	N34° 00' 23.1800", W118° 40' 33.8100"	5000	VNAV	200	FLY_BY	TF
DZINE	WP	N34° 05' 51.0400", W118° 40' 20.1400"	5000	VNAV	250	FLY_BY	TF
SEAEM	WP	N34° 14' 30.8900", W118° 25' 49.7600"	6000	VNAV	250	FLY_BY	TF
SLAPP	WP	N34° 27' 50.1400", W118° 19' 54.0700"	9000	VNAV	250	FLY_BY	TF
YAAPY	WP	N34° 39' 53.0000", W118° 07' 50.0000"	13000	VNAV	250	FLY_BY	TF
JETHK	WP	N34° 41' 29.8700", W117° 58' 19.3500"	15000	VNAV	250	FLY_BY	TF
BBITE	WP	N34° 42' 16.2200", W117° 45' 30.8700"	15000	VNAV	250	FLY_BY	TF
ANTLP	WP	N34° 42' 51.2600", W117° 30' 29.8200"	15000	VNAV	250	FLY_BY	TF
GUNNR	WP	N34° 52' 37.0000", W116° 59' 13.0000"	15000	VNAV	250	FLY_BY	TF
ARMY	WP	N35° 03' 48.0000", W116° 44' 24.0000"	17000	VNAV	250	FLY_BY	TF
HAILO	WP	N35° 38' 14.0000", W115° 58' 16.0000"	17000	VNAV	250	FLY_BY	TF

Climb Gradient:
295.0 ft/NM up to 3100.0 ft MSL
200.0 ft/NM

DME DME Assessment Results for CTRUS5 path KSMO:RW21:DER_HAILO

Flyability	
Flight Type:	SID
Selected Airport:	KSMO [IFPA]
Climb Gradient:	295.0 ft/NM up to 3100.0 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
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 CTRUS5 path KSMO:RW21:DER_HAILO

DME/DME (Continued)										
DMEs Used										
#	Name	Lat/Lon	MAGVAR	Range	Type	Source	Critical	Status	Time	Distance
1	VNY	N34° 13' 26.4770", W118° 29' 30.2063"	15.0 E	40	L		NO	Enabled	16 %	16 %
2	LAX	N33° 55' 59.3368", W118° 25' 55.2460"	15.0 E	130	H		NO	Enabled	35.4 %	35.1 %
3	TTE	N35° 54' 46.9842", W119° 01' 14.9144"	16.0 E	130	DH		NO	Enabled	4 %	4.1 %
4	EED	N34° 45' 57.6150", W114° 28' 26.7750"	15.0 E	130	H		NO	Enabled	10.1 %	10.4 %
5	PMD	N34° 37' 53.0341", W118° 03' 49.7607"	15.0 E	130	H		NO	Enabled	14.5 %	15 %
6	HEC	N34° 47' 49.2645", W116° 27' 46.5193"	15.0 E	130	H		NO	Enabled	38.4 %	39.7 %
7	PDZ	N33° 55' 06.0128", W117° 31' 47.9897"	15.0 E	130	H		NO	Enabled	7.9 %	8.2 %
8	GMN	N34° 48' 14.5030", W118° 51' 40.8970"	16.0 E	40	L		NO	Enabled	11.5 %	11.9 %
9	FIM	N34° 21' 24.0970", W118° 52' 52.6480"	15.0 E	40	L		NO	Enabled	26.8 %	26.8 %
10	DAG	N34° 57' 44.8450", W116° 34' 41.3990"	15.0 E	40	L		NO	Enabled	21.4 %	22.1 %
11	TRM	N33° 37' 41.1477", W116° 09' 36.6968"	13.0 E	130	H		NO	Enabled	6.7 %	6.9 %
12	POM	N34° 04' 42.1962", W117° 47' 13.4633"	15.0 E	40	L		NO	Enabled	5.7 %	5.9 %
13	AVE	N35° 38' 49.1120", W119° 58' 42.9800"	16.0 E	130	DH		NO	Enabled	13.1 %	13.6 %
14	SLI	N33° 46' 59.8839", W118° 03' 17.1304"	15.0 E	40	L		NO	Enabled	18.4 %	17.4 %
15	SMO	N34° 00' 37.5301", W118° 27' 22.9701"	15.0 E	40	L		NO	Enabled	20.4 %	20.3 %
16	VTU	N34° 06' 53.7239", W119° 02' 56.9994"	15.0 E	40	L		NO	Enabled	4.3 %	4.1 %
17	LHS	N34° 40' 58.7040", W118° 34' 36.9770"	15.0 E	130	H		NO	Enabled	21.7 %	22.5 %
18	OCN	N33° 14' 26.2815", W117° 25' 03.7947"	15.0 E	130	H		NO	Enabled	3.8 %	3.9 %
19	PGS	N35° 37' 28.9630", W113° 32' 40.0800"	15.0 E	130	DH		NO	Enabled	4.6 %	4.7 %
20	GOG	N35° 53' 39.3000", W115° 29' 45.9000"	0.0 E	130	DH		NO	Enabled	54.5 %	54.8 %

DME DME Assessment Results for CTRUS5 path KSMO:RW21:DER_HAILO

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0						
4.6	SLI	GOG				
4.7	LAX	GOG	SLI			
5.0	LAX	GOG				
5.2	LAX	GOG	SLI			
8.5	GOG	FIM	SLI	LAX		
9.1	SMO	FIM	GOG	SLI	LAX	
32.7	SLI	VNY	SMO	FIM	POM	LAX
37.3	LAX	FIM	LHS	VTU	SLI	SMO
37.6	LAX	FIM	LHS	VTU	SMO	VNY
40.2	LAX	FIM	VNY	GMN	SMO	LHS
46.0	VNY	GMN	LHS	LAX	FIM	
47.4	LHS	PMD	GMN	LAX	FIM	
52.5	GMN	PMD	LHS	AVE	FIM	
58.9						
60.6	TTE	LHS				
61.6	TTE	LHS	GMN	AVE		
61.7	TTE	LHS	GMN			
62.9	TTE	LHS				
65.6						
65.7	TTE	LHS				
65.8						
68.3	LAX	LHS	AVE			
71.5	LAX	LHS	PMD	OCN	AVE	
72.9	LAX	LHS	AVE	PMD		
73.6	PMD	OCN	LHS	LAX	AVE	
74.4	LAX	LHS	AVE	PMD		
79.7	LAX	AVE	PMD			
81.0	PMD	OCN	LAX	AVE		
86.4						
109.8	TRM	DAG	HEC			
110.4	TRM	DAG	GOG	HEC		
119.7	GOG	HEC				
120.1	TRM	DAG	GOG	HEC		
123.3	GOG	HEC				
127.9	HEC	PDZ	DAG	GOG		
143.3	GOG	HEC	DAG			
148.6	GOG	HEC				
165.7						
168.0	EED	DAG	HEC	GOG		
175.9	EED	HEC	GOG			
177.3	EED	HEC	GOG	PGS		
185.2	EED	HEC	GOG			
185.6	EED	HEC	GOG	PGS		
186.8	EED	HEC	GOG			
186.8	EED	GOG				

DME DME Assessment Results for CTRUS5 path KSMO:RW21:DER_HAILO

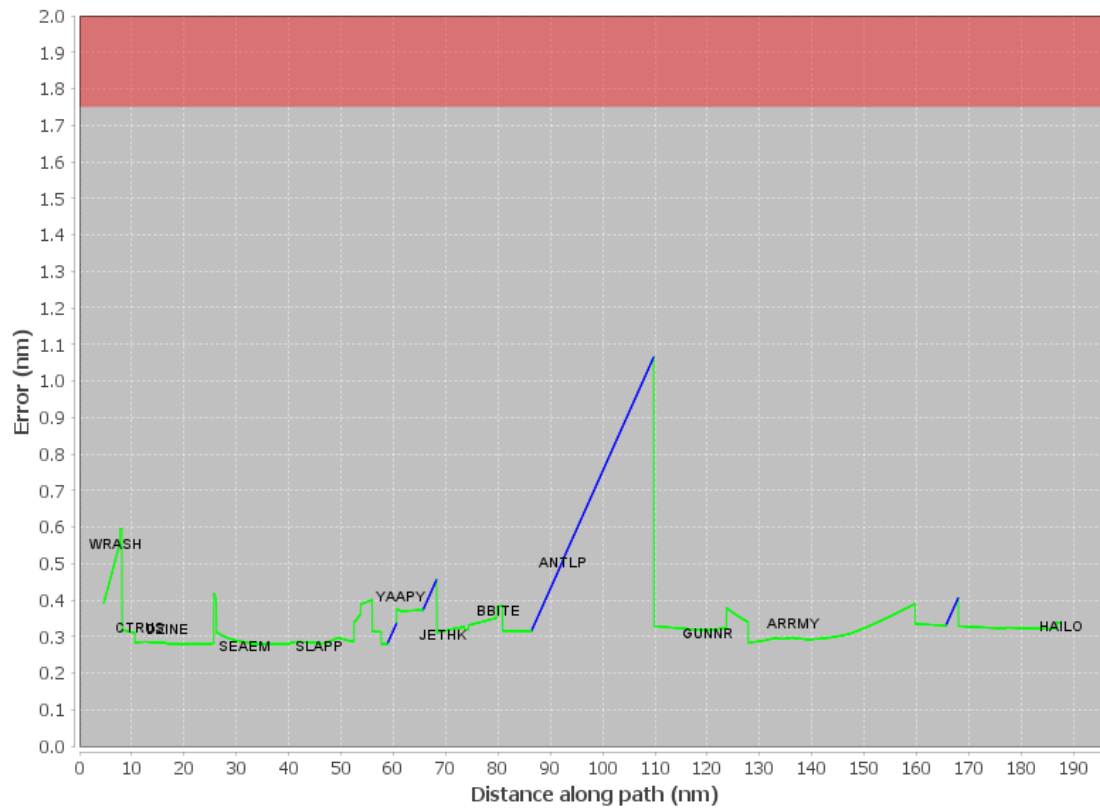
Inertial Drift Segments			
#	Start Location	End Location	Length [NM]
1	N34° 00' 43.1045", W118° 27' 21.0919"	N33° 59' 57.3159", W118° 32' 24.5835"	4.5784
2	N34° 37' 54.2134", W118° 09' 49.3087"	N34° 39' 14.4782", W118° 08' 28.7051"	1.7356
3	N34° 40' 43.1979", W118° 02' 54.8823"	N34° 40' 44.0328", W118° 02' 49.9628"	0.069
4	N34° 40' 44.8677", W118° 02' 45.0433"	N34° 41' 15.7200", W117° 59' 43.0028"	2.5542
5	N34° 42' 34.4606", W117° 37' 47.7869"	N34° 49' 01.0534", W117° 10' 48.8030"	23.3522
6	N35° 23' 29.1503", W116° 18' 09.2350"	N35° 25' 04.5144", W116° 16' 01.1976"	2.3583

Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
KSMO:RW21:DER	WRASH	SLI, LAX, GOG	
WRASH	CTRUS	VNY, SLI, LAX, SMO, FIM, GOG	
CTRUS	DZINE	VNY, SLI, LAX, SMO, VTU, FIM, GOG	
DZINE	SEAEM	VNY, SLI, LAX, SMO, FIM, GOG, POM	
SEAEM	SLAPP	VNY, SLI, LAX, SMO, LHS, VTU, PMD, GMN, FIM, GOG, POM	
SLAPP	YAAPY	VNY, AVE, LAX, SMO, TTE, LHS, PMD, GMN, FIM	
YAAPY	JETHK	AVE, LAX, TTE, LHS, GMN	
JETHK	BBITE	AVE, LAX, LHS, PMD, OCN	
BBITE	ANTLP	AVE, LAX, PMD, OCN	
ANTLP	GUNNR	HEC, DAG, TRM, GOG	
GUNNR	ARRMY	HEC, PDZ, DAG, TRM, GOG	
ARRMY	HAILO	EED, HEC, PDZ, DAG, PGS, GOG	

User Data Files								
#	File Name							
1	CHOII APPROVED ESVs.udt							
2	HAYEZ APPROVED ESVs.udt							
3	OROSZ APPROVED ESV.udt							
4	SLAPP APPROVED ESV.udt							
User DMEs								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
None								

DME DME Assessment Results for CTRUS5 path KSMO:RW21:DER_HAILO

DME Error



DME DME Assessment Results for CTRUS5 path CTRUS_SCTRR

Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Theodore CTR Roller
Project File:	C:\Users\Theodore CTR Roller\Desktop\SoCal\BUR\32274\Post\FPT\20260112 KBUR PTT32274 1.2.tgs
Output File:	C:\Users\Theodore CTR Roller\Desktop\SoCal\BUR\32274\Post\FPT\KSMO [IFPA] CTRUS5 20260115_1401 MST\CTRUS_SCTRR\KSMO CTRUS5 SID CTRUS SCTRR 20260115_1401 MST.pdf
Procedure Name:	CTRUS5
Software: DmeDmePlugin:	7.6.0
Date/Time:	01/15/2026 14:01 MST
Databases:	MITRE 3DEP 3 arcsec

Failures

No Failures

Warnings

No Warnings

Informational

No Informational

Notes For Flight Check

None

Flight Plan

Name	Type	Lat/Lon	Altitude (ft)	VNAV Mode	Ground Speed (kts)	Turn Type	Leg Type
CTRUS	WP	N34° 00' 23.1800", W118° 40' 33.8100"	5000	VNAV	200	FLY_BY	TF
DARRK	WP	N33° 55' 01.0600", W118° 49' 57.1800"	5000	VNAV	200	FLY_BY	TF
FIXIT	WP	N33° 58' 28.0000", W118° 59' 17.0000"	8500	VNAV	200	FLY_BY	TF
IKAYE	WP	N34° 08' 35.0000", W119° 00' 37.0000"	12000	VNAV	240	FLY_BY	TF
TESEA	WP	N35° 10' 18.9100", W120° 15' 22.8700"	12000	VNAV	240	FLY_BY	TF
SCTRR	WP	N35° 31' 35.7900", W120° 34' 54.6900"	12000	VNAV	240	FLY_BY	TF
Climb Gradient: 295.0 ft/NM up to 3100.0 ft MSL 200.0 ft/NM							

Flyability

Flight Type:	SID
Selected Airport:	KSMO [IFPA]
Climb Gradient:	295.0 ft/NM up to 3100.0 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 CTRUS5 path CTRUS_SCTRR

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	VNY	N34° 13' 26.4770", W118° 29' 30.2063"	15.0 E	40	L		NO	Enabled	2.1 %	1.8 %
2	GVO	N34° 31' 52.7526", W120° 05' 27.9178"	16.0 E	130	H		NO	Enabled	10.9 %	11.3 %
3	PRB	N35° 40' 20.8655", W120° 37' 37.5872"	16.0 E	40	L		NO	Enabled	20.7 %	21.5 %
4	LAX	N33° 55' 59.3368", W118° 25' 55.2460"	15.0 E	130	H		NO	Enabled	28 %	25.2 %
5	TTE	N35° 54' 46.9842", W119° 01' 14.9144"	16.0 E	130	DH		NO	Enabled	70.7 %	73.4 %
6	GMN	N34° 48' 14.5030", W118° 51' 40.8970"	16.0 E	40	L		NO	Enabled	5.5 %	5.7 %
7	RZS	N34° 30' 34.3151", W119° 46' 15.5573"	14.0 E	130	H		NO	Enabled	38.8 %	40.3 %
8	MQO	N35° 15' 08.1183", W120° 45' 34.4394"	16.0 E	40	L		NO	Enabled	28.1 %	29.2 %
9	FIM	N34° 21' 24.0970", W118° 52' 52.6480"	15.0 E	40	L		NO	Enabled	35.1 %	32.6 %
10	FLW	N35° 05' 35.1040", W119° 51' 56.0830"	16.0 E	40	L		NO	Enabled	44.8 %	46.5 %
11	AVE	N35° 38' 49.1120", W119° 58' 42.9800"	16.0 E	130	DH		NO	Enabled	33.3 %	34.6 %
12	SLI	N33° 46' 59.8839", W118° 03' 17.1304"	15.0 E	40	L		NO	Enabled	4.3 %	3.7 %
13	SMO	N34° 00' 37.5301", W118° 27' 22.9701"	15.0 E	40	L		NO	Enabled	20.2 %	17.5 %
14	VTU	N34° 06' 53.7239", W119° 02' 56.9994"	15.0 E	40	L		NO	Enabled	41.4 %	40 %
15	CMA	N34° 12' 45.0757", W119° 05' 39.6787"	15.0 E	40	L		NO	Enabled	12.3 %	11.1 %
16	LHS	N34° 40' 58.7040", W118° 34' 36.9770"	15.0 E	130	H		NO	Enabled	0.9 %	0.9 %
17	GOG	N35° 53' 39.3000", W115° 29' 45.9000"	0.0 E	130	DH		NO	Enabled	10.1 %	8.7 %

DME DME Assessment Results for CTRUS5 path CTRUS_SCTRR

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	SLI	VNY	LAX	VTU	SMO	FIM
2.7	SMO	FIM	LAX	SLI	VTU	GOG
5.4	SMO	FIM	LAX	VTU	GOG	
12.5	LAX	FIM	SMO	VTU		
15.3	LAX	FIM	SMO	CMA	VTU	
21.5	LAX	FIM	SMO	CMA		
24.9	LAX	FIM	CMA			
26.7	LAX	FIM	LHS	CMA	TTE	
28.0	LAX	FIM	CMA	TTE		
30.9	CMA	FIM	LAX	TTE	VTU	
31.1	LAX	FIM	TTE			
32.5	LAX	FIM	VTU	TTE		
33.3	RZS	FIM	LAX	VTU	TTE	
34.4	VTU	FIM	RZS	LAX		
35.9	VTU	FIM	RZS			
39.2	VTU	FIM				
44.7	TTE	FIM	VTU	RZS		
46.2	LHS	VTU	CMA	GMN	RZS	TTE
46.3	GMN	VTU	RZS	TTE		
54.4	RZS	TTE	VTU			
61.0	RZS	FLW	TTE	VTU		
67.8	RZS	FLW	TTE			
74.4	TTE	FLW				
84.8						
85.5	RZS	TTE				
92.8	RZS	TTE	AVE			
95.0	RZS	TTE	FLW	AVE		
96.5	RZS	TTE	FLW	AVE	GVO	
97.6	RZS	FLW	TTE	AVE		
98.2	RZS	FLW	TTE	AVE	GVO	
107.3	GVO	FLW	MQO	AVE	TTE	
113.2	MQO	AVE	FLW	PRB	TTE	
136.5	PRB	AVE	TTE	MQO		
137.2	PRB	AVE	MQO	FLW	TTE	
138.1	PRB	AVE	TTE	MQO		

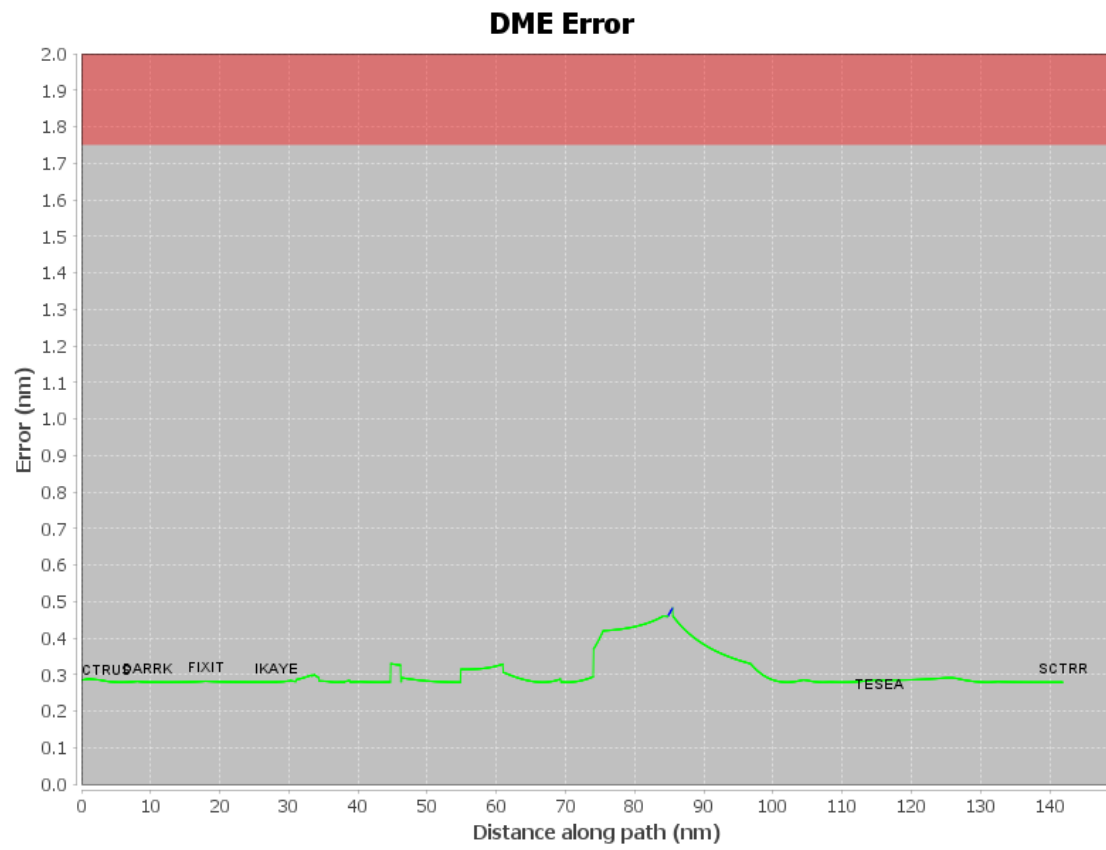
Inertial Drift Segments			
#	Start Location	End Location	Length [NM]
1	N34° 48' 50.1049", W119° 49' 02.9246"	N34° 49' 18.3681", W119° 49' 37.3499"	0.6666

Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
CTRUS	DARRK	VNY, SLI, LAX, SMO, VTU, FIM, GOG	
DARRK	FIXIT	LAX, SMO, VTU, CMA, FIM, GOG	
FIXIT	IKAYE	LAX, SMO, TTE, CMA, VTU, LHS, FIM	
IKAYE	TESEA	GVO, PRB, LAX, TTE, GMN, RZS, MQO, FIM, FLW, AVE, CMA, VTU, LHS	
TESEA	SCTRR	AVE, FLW, PRB, TTE, MQO	

DME DME Assessment Results for CTRUS5 path CTRUS_SCTRR

User Data Files								
#	File Name							
1	CHOII APPROVED ESVs.udt							
2	HAYEZ APPROVED ESVs.udt							
3	OROSZ APPROVED ESV.udt							
4	SLAPP APPROVED ESV.udt							
User DMEs								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
None								

DME DME Assessment Results for CTRUS5 path CTRUS_SCTRR



DME DME Assessment Results for CTRUS5 path CTRUS_STOKD

Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Theodore CTR Roller
Project File:	C:\Users\Theodore CTR Roller\Desktop\SoCal\BUR\32274\Post\FPT\20260112 KBUR PTT32274 1.2.tgs
Output File:	C:\Users\Theodore CTR Roller\Desktop\SoCal\BUR\32274\Post\FPT\KSMO [IFPA] CTRUS5 20260115_1401 MST\CTRUS_STOKD\KSMO CTRUS5 SID CTRUS STOKD 20260115_1401 MST.pdf
Procedure Name:	CTRUS5
Software: DmeDmePlugin:	7.6.0
Date/Time:	01/15/2026 14:01 MST
Databases:	MITRE 3DEP 3 arcsec

Failures

No Failures

Warnings

No Warnings

Informational

No Informational

Notes For Flight Check

None

Flight Plan

Name	Type	Lat/Lon	Altitude (ft)	VNAV Mode	Ground Speed (kts)	Turn Type	Leg Type
CTRUS	WP	N34° 00' 23.1800", W118° 40' 33.8100"	5000	VNAV	200	FLY_BY	TF
WOPPR	WP	N34° 02' 58.0000", W118° 46' 52.1600"	5000	VNAV	200	FLY_BY	TF
IKAYE	WP	N34° 08' 35.0000", W119° 00' 37.0000"	12000	VNAV	240	FLY_BY	TF
RIZIN	WP	N34° 24' 39.9700", W119° 31' 57.0400"	12000	VNAV	240	FLY_BY	TF
SPLNT	WP	N35° 05' 15.0000", W120° 22' 21.5100"	12000	VNAV	240	FLY_BY	TF
STOKD	WP	N35° 29' 00.5700", W120° 49' 05.6800"	12000	VNAV	240	FLY_BY	TF
Climb Gradient: 295.0 ft/NM up to 3100.0 ft MSL 200.0 ft/NM							

See pages 17-20 for
5400 assessment

Flyability

Flight Type:	SID
Selected Airport:	KSMO [IFPA]
Climb Gradient:	295.0 ft/NM up to 3100.0 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 CTRUS5 path CTRUS_STOKD

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	VNY	N34° 13' 26.4770", W118° 29' 30.2063"	15.0 E	40	L		NO	Enabled	2 %	1.7 %
2	GVO	N34° 31' 52.7526", W120° 05' 27.9178"	16.0 E	130	H		NO	Enabled	30.3 %	31.1 %
3	PRB	N35° 40' 20.8655", W120° 37' 37.5872"	16.0 E	40	L		NO	Enabled	23.2 %	23.8 %
4	LAX	N33° 55' 59.3368", W118° 25' 55.2460"	15.0 E	130	H		NO	Enabled	21.2 %	19.2 %
5	TTE	N35° 54' 46.9842", W119° 01' 14.9144"	16.0 E	130	DH		NO	Enabled	77.4 %	79.3 %
6	GMN	N34° 48' 14.5030", W118° 51' 40.8970"	16.0 E	40	L		NO	Enabled	0.2 %	0.2 %
7	RZS	N34° 30' 34.3151", W119° 46' 15.5573"	14.0 E	130	H		NO	Enabled	48.4 %	49.6 %
8	MQO	N35° 15' 08.1183", W120° 45' 34.4394"	16.0 E	40	L		NO	Enabled	34.3 %	35.2 %
9	FIM	N34° 21' 24.0970", W118° 52' 52.6480"	15.0 E	40	L		NO	Enabled	34.1 %	32.4 %
10	FLW	N35° 05' 35.1040", W119° 51' 56.0830"	16.0 E	40	L		NO	Enabled	42.9 %	44 %
11	AVE	N35° 38' 49.1120", W119° 58' 42.9800"	16.0 E	130	DH		NO	Enabled	35.9 %	36.8 %
12	SLI	N33° 46' 59.8839", W118° 03' 17.1304"	15.0 E	40	L		NO	Enabled	5 %	4.2 %
13	SMO	N34° 00' 37.5301", W118° 27' 22.9701"	15.0 E	40	L		NO	Enabled	12.4 %	10.6 %
14	CMA	N34° 12' 45.0757", W119° 05' 39.6787"	15.0 E	40	L		NO	Enabled	18.6 %	17.4 %
15	VTU	N34° 06' 53.7239", W119° 02' 56.9994"	15.0 E	40	L		NO	Enabled	33.7 %	33.2 %
16	LHS	N34° 40' 58.7040", W118° 34' 36.9770"	15.0 E	130	H		NO	Enabled	6.2 %	5.3 %
17	GOG	N35° 53' 39.3000", W115° 29' 45.9000"	0.0 E	130	DH		NO	Enabled	6.7 %	5.7 %

DME DME Assessment Results for CTRUS5 path CTRUS_STOKD

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	SLI	VNY	LAX	SMO	FIM	GOG
0.7	SMO	FIM	GOG	SLI	LAX	
6.0	SMO	FIM	LAX	GOG		
6.1	SMO	FIM	LAX	CMA	GOG	
6.2	SMO	FIM	LAX	GOG		
6.2	SMO	FIM	LAX	CMA	GOG	
8.1	SMO	FIM	VNY	VTU	CMA	LAX
9.9	LAX	LHS	VTU	SMO	CMA	FIM
14.8	LAX	LHS	CMA	FIM	VTU	
15.9	LAX	FIM	VTU	CMA		
17.1	LAX	FIM	LHS	CMA	VTU	TTE
17.6	LAX	FIM	CMA	TTE		
21.6	LAX	FIM	TTE			
21.9	LAX	FIM	VTU	TTE		
22.6	RZS	FIM	LAX	VTU	TTE	
24.4	VTU	FIM	RZS	LAX		
26.6	VTU	FIM	RZS			
27.0	LAX	GMN	LHS	VTU	RZS	FIM
27.2	LAX	GMN	RZS	VTU	FIM	CMA
27.3	RZS	GMN	VTU	FIM	CMA	TTE
27.4	VTU	FIM	RZS	CMA	TTE	
27.5	VTU	FIM	RZS	CMA		
27.6	VTU	FIM	RZS			
32.2	VTU	FIM				
34.5	VTU	FIM	TTE	RZS		
35.0	CMA	TTE	FIM	VTU	RZS	
35.1	VTU	FIM				
35.6	CMA	TTE	FIM	RZS	VTU	
44.2	TTE	FIM	RZS	VTU		
45.3	RZS	TTE	VTU			
55.9	RZS	FLW	TTE	VTU		
58.7	TTE	FLW				
59.8	RZS	FLW	GVO	TTE		
60.7	TTE	FLW				
64.3						
65.7	GVO	FLW	RZS	TTE		
74.7	RZS	GVO	TTE			
79.7	RZS	TTE	GVO	FLW		
82.1	RZS	TTE	FLW			
83.5	RZS	TTE	FLW	GVO	AVE	
84.2	RZS	FLW	TTE	GVO		
84.3	RZS	FLW	TTE	GVO	AVE	
86.9	RZS	FLW	TTE	GVO		
88.3	RZS	FLW	TTE	AVE	GVO	
88.8	RZS	FLW	TTE	GVO		
88.9	MQO	FLW	RZS	TTE	GVO	
100.9	GVO	FLW	MQO	AVE	TTE	
109.7	MQO	AVE	PRB	FLW	TTE	
123.7	PRB	MQO	AVE	TTE		
127.7	PRB	AVE	TTE			
129.0	PRB	AVE	TTE	MQO		

Inertial Drift Segments			
#	Start Location	End Location	Length [NM]
1	N34° 35' 22.2201", W119° 45' 07.4562"	N34° 36' 18.2434", W119° 46' 16.6483"	1.3324

DME DME Assessment Results for CTRUS5 path CTRUS_STOKD

Available DMEs by Waypoints

Waypoint Before	Waypoint After	DME List	Suggested DMEs
CTRUS	WOPPR	VNY, SLI, LAX, SMO, FIM, GOG	
WOPPR	IKAYE	VNY, SLI, LAX, SMO, TTE, CMA, VTU, LHS, FIM, GOG	
IKAYE	RIZIN	LAX, TTE, CMA, VTU, LHS, GMN, RZS, FIM	
RIZIN	SPLNT	FLW, AVE, GVO, PRB, TTE, VTU, RZS, MQO	
SPLNT	STOKD	AVE, FLW, PRB, GVO, TTE, MQO	

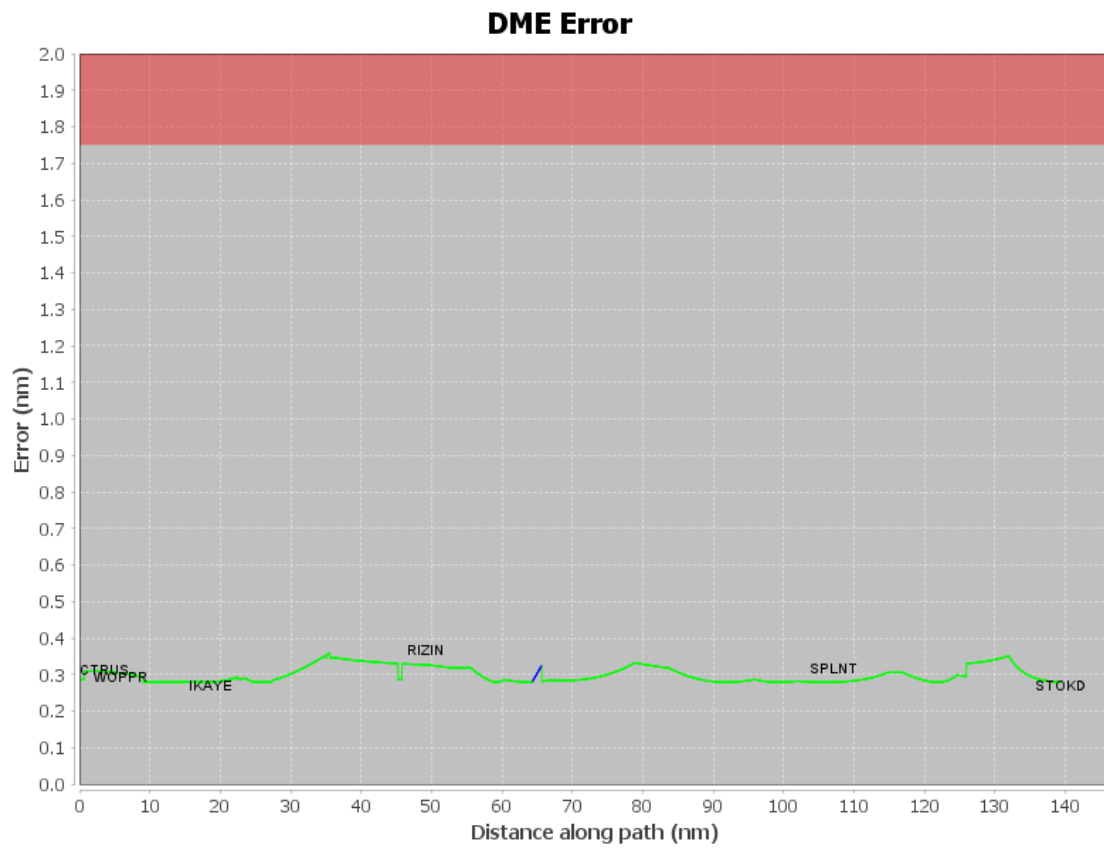
User Data Files

#	File Name
1	CHOII APPROVED ESVs.udt
2	HAYEZ APPROVED ESVs.udt
3	OROSZ APPROVED ESV.udt
4	SLAPP APPROVED ESV.udt

User DMEs

#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
None								

DME DME Assessment Results for CTRUS5 path CTRUS_STOKD



DME DME Assessment Results for CTRUS5 path KSMO:RW21:DER_IKAYE

Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Jeanette CTR Roller
Project File:	C:\Users\Jeanette CTR Roller\Desktop\2025\SoCal 32274 SIDs\FPT Submission\20260115 KSMO SIDs jt.tgs
Output File:	C:\Users\Jeanette CTR Roller\Desktop\2025\SoCal 32274 SIDs\FPT Submission\KSMO [IFPA] CTRUS5 20260618_1034 MDT\KSMO-RW21-DER_IKAYE\KSMO CTRUS5 SID RW21 IKAYE 20260618_1034 MDT.pdf
Procedure Name:	CTRUS5
Software: DmeDmePlugin:	8.0.0
Date/Time:	06/18/2026 10:34 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
KSMO:RW21:DER	WP	N34° 00' 44.6269000", W118° 27' 19.2910000"	126.5	VNAV	130	FLY_BY	TF
WRASH	WP	N34° 00' 02.4800000", W118° 35' 12.6300000"	2175.2	VNAV	200	FLY_BY	TF
CTRUS	WP	N34° 00' 23.1800000", W118° 40' 33.8100000"	5000	VNAV	200	FLY_BY	TF
WOPPR	WP	N34° 02' 58.0000000", W118° 46' 52.1600000"	5000	VNAV	200	FLY_BY	TF
IKAYE	WP	N34° 08' 35.0000000", W119° 00' 37.0000000"	5400	VNAV	200	FLY_BY	TF

Climb Gradient:
295.0 ft/NM up to 3100.0 ft MSL
200.0 ft/NM

Flyability

Flight Type:	SID
Selected Airport:	KSMO [IFPA]
Climb Gradient:	295.0 ft/NM up to 3100.0 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 CTRUS5 path KSMO:RW21:DER_IKAYE

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	VNY	N34° 13' 26.4770000", W118° 29' 30.2063000"	15.0 E	40	L		NO	Enabled	4.3 %	4.6 %
2	SLI	N33° 46' 59.8839000", W118° 03' 17.1304000"	15.0 E	40	L		NO	Enabled	39.2 %	41.3 %
3	LAX	N33° 55' 59.3368000", W118° 25' 55.2460000"	15.0 E	130	H		NO	Enabled	79.3 %	84.2 %
4	SMO	N34° 00' 37.5301000", W118° 27' 22.9701000"	15.0 E	40	L		NO	Enabled	45.7 %	49.1 %
5	CMA	N34° 12' 45.0757000", W119° 05' 39.6787000"	15.0 E	40	L		NO	Enabled	36.4 %	39.1 %
6	VTU	N34° 06' 53.7239000", W119° 02' 56.9994000"	15.0 E	40	L		NO	Enabled	25.5 %	27.4 %
7	FIM	N34° 21' 24.0970000", W118° 52' 52.6480000"	15.0 E	40	L		NO	Enabled	66.6 %	71.5 %
8	GOG	N35° 53' 39.3000000", W115° 29' 45.9000000"	0.0 E	130	DH		NO	Enabled	79.8 %	84.6 %

DME DME Assessment Results for CTRUS5 path KSMO:RW21:DER_IKAYE

Flight Check DME Selection

Distance [NM]	Selected DMEs					Alternate
0.0						
4.6	SLI	GOG				
4.7	LAX	GOG	SLI			
4.8	LAX	GOG				
4.8	LAX	GOG	SLI			
5.0	LAX	GOG				
5.2	LAX	GOG	SLI			
8.5	GOG	FIM	SLI	LAX		
9.1	SMO	FIM	GOG	SLI	LAX	
17.4	SMO	FIM	LAX	GOG		
18.2	SMO	FIM	LAX	CMA	GOG	
23.9	VTU	FIM	LAX	CMA	GOG	
28.5	LAX	FIM	CMA	GOG		

Inertial Drift Segments

#	Start Location	End Location	Length [NM]
1	N34° 00' 43.1044763", W118° 27' 21.0919270"	N33° 59' 57.3158930", W118° 32' 24.5835235"	4.5784

Available DMEs by Waypoints

Waypoint Before	Waypoint After	DME List	Suggested DMEs
KSMO:RW21:DER	WRASH	SLI, LAX, GOG	
WRASH	CTRUS	VNY, SLI, LAX, SMO, FIM, GOG	
CTRUS	WOPPR	VNY, SLI, LAX, SMO, FIM, GOG	
WOPPR	IKAYE	SLI, LAX, SMO, CMA, VTU, FIM, GOG	

User Data Files

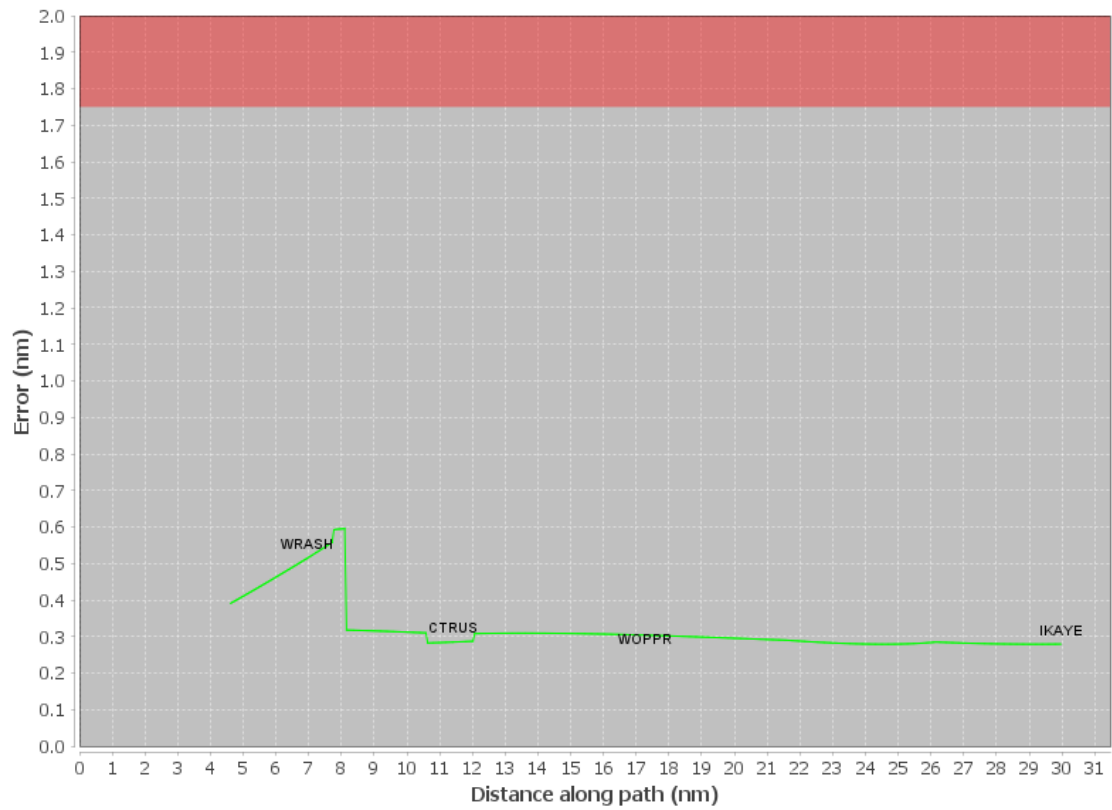
#	File Name
1	CHOII APPROVED ESVs.udt

User DMEs

#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	PDZ FAA 698121-17 PDZ	N33° 55' 06.0128000", W117° 31' 47.9897000"	15.0 E	130	1432.4	112.2	PDZ FAA 698121-17	
ESV:		Bearing [True]: 7.0° to 18.0° Bearing [Mag]: 352.0° to 3.0°				Arc Distance: Out to 57.0 NM Altitude: 13000.0 to 16000.0 ft		

DME DME Assessment Results for CTRUS5 path KSMO:RW21:DER_IKAYE

DME Error



DME DME Assessment Results for CTRUS5 path DZINE_COREZ

Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Theodore CTR Roller
Project File:	C:\Users\Theodore CTR Roller\Desktop\SoCal\BUR\32274\Post\FPT\20260112 KBUR PTT32274 1.2.tgs
Output File:	C:\Users\Theodore CTR Roller\Desktop\SoCal\BUR\32274\Post\FPT\KSMO [IFPA] CTRUS5 20260115_1401 MST\DZINE_COREZ\KSMO CTRUS5 SID DZINE COREZ 20260115_1401 MST.pdf
Procedure Name:	CTRUS5
Software: DmeDmePlugin:	7.6.0
Date/Time:	01/15/2026 14:01 MST
Databases:	MITRE 3DEP 3 arcsec

Failures

No Failures

Warnings

No Warnings

Informational

No Informational

Notes For Flight Check

None

Flight Plan

Name	Type	Lat/Lon	Altitude (ft)	VNAV Mode	Ground Speed (kts)	Turn Type	Leg Type
DZINE	WP	N34° 05' 51.0400", W118° 40' 20.1400"	5000	VNAV	250	FLY_BY	TF
OROSZ	WP	N34° 25' 36.1800", W118° 40' 27.0100"	6000	VNAV	250	FLY_BY	TF
SHORS	WP	N34° 47' 43.6100", W118° 56' 07.3700"	10300	VNAV	250	FLY_BY	TF
MDWAY	WP	N34° 58' 30.5000", W119° 03' 49.9800"	14000	VNAV	250	FLY_BY	TF
COREZ	WP	N35° 33' 24.0000", W119° 29' 01.9800"	14000	VNAV	250	FLY_BY	TF

Flyability

Flight Type:	SID
Selected Airport:	KSMO [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 CTRUS5 path DZINE_COREZ

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	VNY	N34° 13' 26.4770", W118° 29' 30.2063"	15.0 E	40	L		NO	Enabled	19.5 %	19.5 %
2	LAX	N33° 55' 59.3368", W118° 25' 55.2460"	15.0 E	130	H		NO	Enabled	27.6 %	27.6 %
3	EHF	N35° 29' 04.3957", W119° 05' 50.2571"	14.0 E	130	H		NO	Enabled	50.6 %	50.6 %
4	TTE	N35° 54' 46.9842", W119° 01' 14.9144"	16.0 E	130	DH		NO	Enabled	74.7 %	74.7 %
5	PMD	N34° 37' 53.0341", W118° 03' 49.7607"	15.0 E	130	H		NO	Enabled	2.1 %	2.1 %
6	GMN	N34° 48' 14.5030", W118° 51' 40.8970"	16.0 E	40	L		NO	Enabled	41.8 %	41.8 %
7	FIM	N34° 21' 24.0970", W118° 52' 52.6480"	15.0 E	40	L		NO	Enabled	38.5 %	38.6 %
8	AVE	N35° 38' 49.1120", W119° 58' 42.9800"	16.0 E	130	DH		NO	Enabled	61 %	61 %
9	FLW	N35° 05' 35.1040", W119° 51' 56.0830"	16.0 E	40	L		NO	Enabled	35.5 %	35.5 %
10	SLI	N33° 46' 59.8839", W118° 03' 17.1304"	15.0 E	40	L		NO	Enabled	1 %	1 %
11	SMO	N34° 00' 37.5301", W118° 27' 22.9701"	15.0 E	40	L		NO	Enabled	8.1 %	8.1 %
12	VTU	N34° 06' 53.7239", W119° 02' 56.9994"	15.0 E	40	L		NO	Enabled	31.9 %	31.9 %
13	LHS	N34° 40' 58.7040", W118° 34' 36.9770"	15.0 E	130	H		NO	Enabled	48.4 %	48.4 %
14	GOG	N35° 53' 39.3000", W115° 29' 45.9000"	0.0 E	130	DH		NO	Enabled	21.3 %	21.4 %

DME DME Assessment Results for CTRUS5 path DZINE_COREZ

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	VNY	FIM	LAX	SLI	SMO	GOG
1.0	VNY	FIM	LAX	SMO	GOG	
8.0	LAX	VTU	FIM	VNY	GOG	
19.2	GMN	FIM	LAX	VTU	LHS	GOG
21.0	LAX	FIM	GMN	VTU	LHS	
21.5	LAX	FIM	VTU			
22.1	LAX	FIM	GMN	VTU	LHS	
23.5	LAX	FIM	VTU	LHS		
24.0	LAX	FIM	GMN	VTU	LHS	
27.2	GMN	LHS	VTU	TTE		
28.5	GMN	LHS	TTE			
29.8	GMN	PMD	LHS	TTE	FIM	VTU
30.4	GMN	LHS	TTE	FIM		
30.5	GMN	LHS	TTE	FIM	VTU	
40.0	GMN	LHS	FIM	TTE	AVE	
40.3	LHS	FIM	TTE	AVE		
40.6	TTE	LHS	AVE			
47.6	GMN	TTE	EHF	LHS	AVE	
48.0	TTE	LHS	AVE			
48.4	GMN	TTE	LHS	EHF	AVE	
48.9	TTE	LHS	AVE			
49.3	TTE	LHS	EHF	AVE		
62.9	TTE	LHS	AVE	EHF	GMN	
67.3	EHF	FLW	TTE	AVE	GMN	
83.3	AVE	TTE	EHF	FLW		

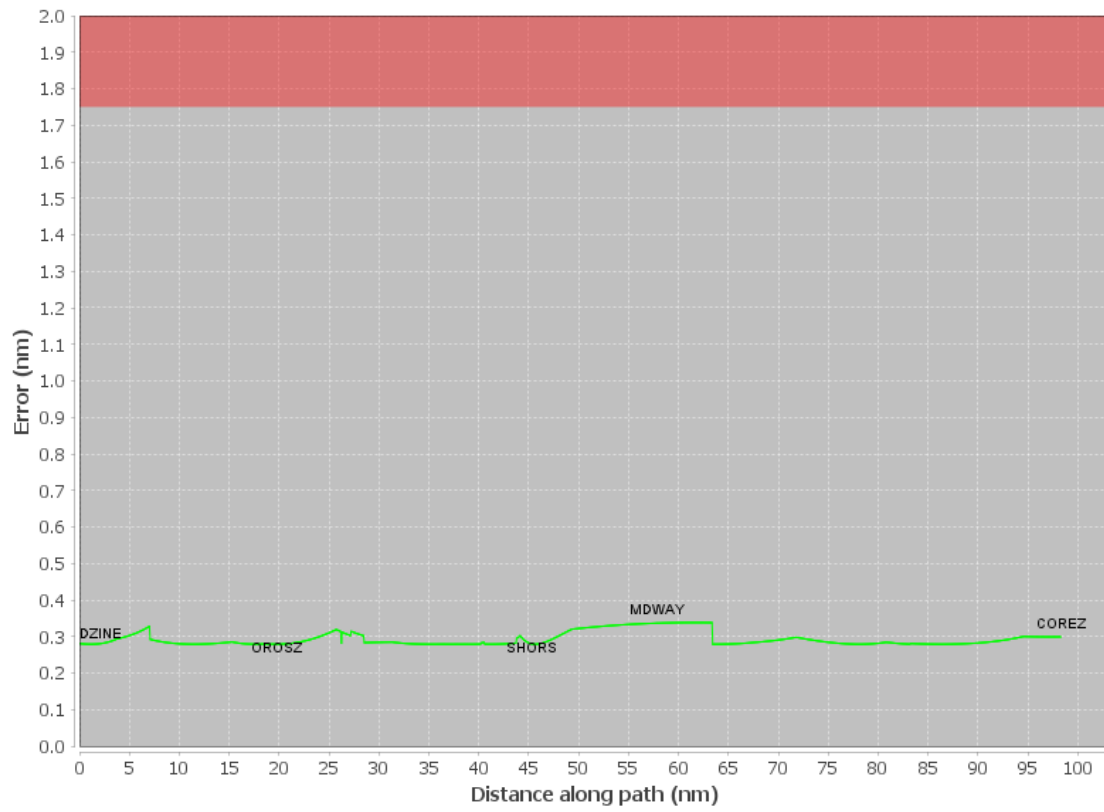
Inertial Drift Segments			
#	Start Location	End Location	Length [NM]

Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
DZINE	OROSZ	VNY, SLI, LAX, SMO, VTU, LHS, GMN, FIM, GOG	
OROSZ	SHORS	AVE, LAX, TTE, VTU, LHS, PMD, GMN, FIM, GOG	
SHORS	MDWAY	AVE, EHF, TTE, LHS, GMN	
MDWAY	COREZ	AVE, FLW, EHF, TTE, LHS, GMN	

User Data Files								
#	File Name							
1	CHOII APPROVED ESVs.udt							
2	HAYEZ APPROVED ESVs.udt							
3	OROSZ APPROVED ESV.udt							
4	SLAPP APPROVED ESV.udt							
User DMEs								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
None								

DME DME Assessment Results for CTRUS5 path DZINE_COREZ

DME Error



DME DME Assessment Results for CTRUS5 path ANTLP_HEC

Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Theodore CTR Roller
Project File:	C:\Users\Theodore CTR Roller\Desktop\SoCal\BUR\32274\Post\FPT\20260112 KBUR PTT32274 1.2.tgs
Output File:	C:\Users\Theodore CTR Roller\Desktop\SoCal\BUR\32274\Post\FPT\KSMO [IFPA] CTRUS5 20260115_1401 MST\ANTLP_HEC\KSMO CTRUS5 SID ANTLP HEC 20260115_1401 MST.pdf
Procedure Name:	CTRUS5
Software: DmeDmePlugin:	7.6.0
Date/Time:	01/15/2026 14:01 MST
Databases:	MITRE 3DEP 3 arcsec

Failures

No Failures

Warnings

No Warnings

Informational

No Informational

Notes For Flight Check

None

Flight Plan

Name	Type	Lat/Lon	Altitude (ft)	VNAV Mode	Ground Speed (kts)	Turn Type	Leg Type
ANTLP	WP	N34° 42' 51.2600", W117° 30' 29.8200"	15000	VNAV	250	FLY_BY	TF
HEC	WP	N34° 47' 49.2645", W116° 27' 46.5193"	15000	VNAV	250	FLY_BY	TF

Flyability

Flight Type:	SID
Selected Airport:	KSMO [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 CTRUS5 path ANTLP_HEC

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	HEC	N34° 47' 49.2645", W116° 27' 46.5193"	15.0 E	130	H		NO	Enabled	57.5 %	57.5 %
2	DAG	N34° 57' 44.8450", W116° 34' 41.3990"	15.0 E	40	L		NO	Enabled	64.3 %	64.3 %
3	TRM	N33° 37' 41.1477", W116° 09' 36.6968"	13.0 E	130	H		NO	Enabled	28.2 %	28.2 %
4	GOG	N35° 53' 39.3000", W115° 29' 45.9000"	0.0 E	130	DH		NO	Enabled	35.3 %	35.3 %

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0						
18.5	TRM	DAG	HEC			
22.0	TRM	DAG	HEC	GOG		
33.2	HEC	DAG	GOG			
33.4	TRM	DAG	HEC	GOG		
33.5	HEC	DAG	GOG			
33.5	TRM	DAG	HEC	GOG		
33.6	HEC	DAG	GOG			
33.8	HEC	DAG				
45.3	HEC	DAG	GOG			
48.4	GOG	DAG				

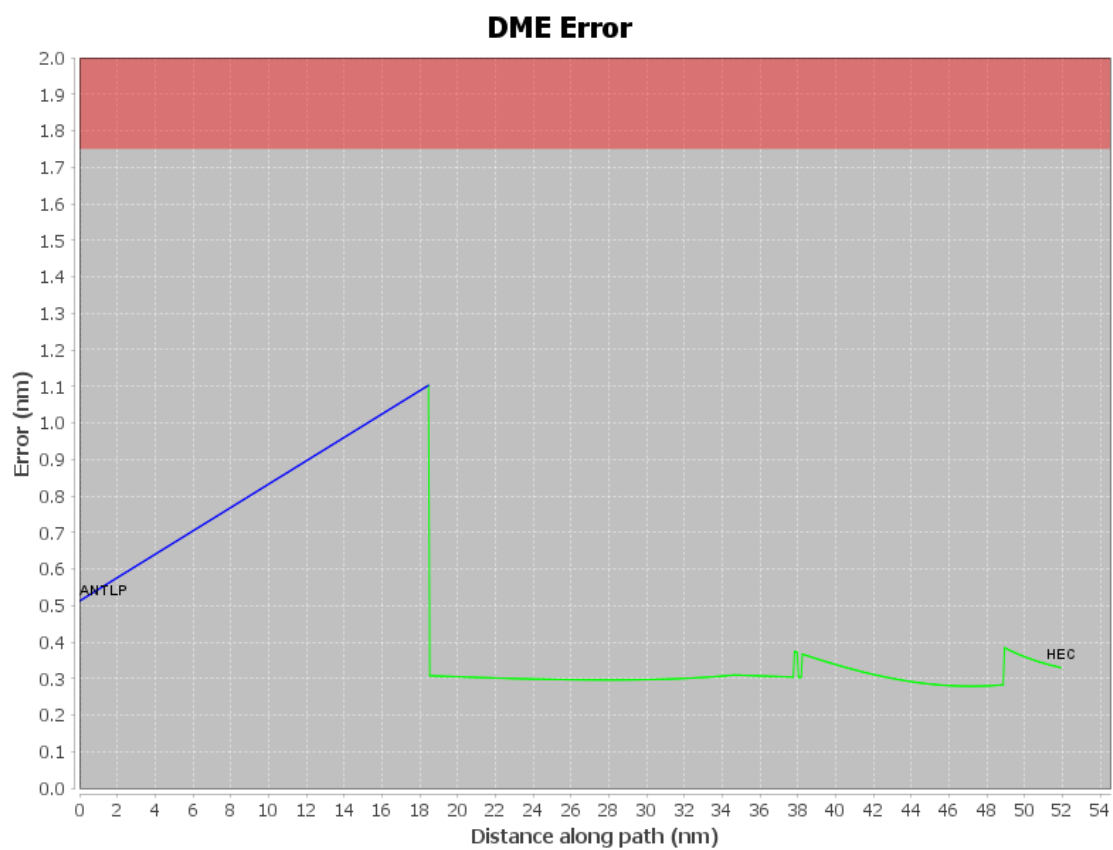
Inertial Drift Segments			
#	Start Location	End Location	Length [NM]
1	N34° 42' 51.2600", W117° 30' 29.8200"	N34° 44' 41.3405", W117° 08' 07.3691"	18.532

Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
ANTLP	HEC	HEC, DAG, TRM, GOG	

DME DME Assessment Results for CTRUS5 path ANTLP_HEC

User Data Files								
#	File Name							
1	CHOII APPROVED ESVs.udt							
2	HAYEZ APPROVED ESVs.udt							
3	OROSZ APPROVED ESV.udt							
4	SLAPP APPROVED ESV.udt							
User DMEs								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
None								

DME DME Assessment Results for CTRUS5 path ANTLP_HEC



DME DME Assessment Results for CTRUS5 path ANTLP_LAS

Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Theodore CTR Roller
Project File:	C:\Users\Theodore CTR Roller\Desktop\SoCal\BUR\32274\Post\FPT\20260112 KBUR PTT32274 1.2.tgs
Output File:	C:\Users\Theodore CTR Roller\Desktop\SoCal\BUR\32274\Post\FPT\KSMO [IFPA] CTRUS5 20260115_1401 MST\ANTLP_LAS\KSMO CTRUS5 SID ANTLP LAS 20260115_1401 MST.pdf
Procedure Name:	CTRUS5
Software: DmeDmePlugin:	7.6.0
Date/Time:	01/15/2026 14:01 MST
Databases:	MITRE 3DEP 3 arcsec

Failures

No Failures

Warnings

No Warnings

Informational

No Informational

Notes For Flight Check

None

Flight Plan

Name	Type	Lat/Lon	Altitude (ft)	VNAV Mode	Ground Speed (kts)	Turn Type	Leg Type
ANTLP	WP	N34° 42' 51.2600", W117° 30' 29.8200"	15000	VNAV	250	FLY_BY	TF
NNAVY	WP	N34° 55' 10.6800", W116° 43' 40.8800"	15000	VNAV	250	FLY_BY	TF
BLAZN	WP	N35° 37' 55.2100", W115° 46' 46.0600"	17000	VNAV	250	FLY_BY	TF
LAS	WP	N36° 04' 46.9253", W115° 09' 35.2725"	17000	VNAV	250	FLY_BY	TF

Flyability

Flight Type:	SID
Selected Airport:	KSMO [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 CTRUS5 path ANTLP_LAS

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	EED	N34° 45' 57.6150", W114° 28' 26.7750"	15.0 E	130	H		NO	Enabled	51.9 %	51.9 %
2	HEC	N34° 47' 49.2645", W116° 27' 46.5193"	15.0 E	130	H		NO	Enabled	44.5 %	44.5 %
3	DAG	N34° 57' 44.8450", W116° 34' 41.3990"	15.0 E	40	L		NO	Enabled	20.8 %	20.8 %
4	BLD	N35° 59' 44.8448", W114° 51' 48.8840"	15.0 E	130	H		NO	Enabled	19.9 %	19.9 %
5	MMM	N36° 46' 09.3089", W114° 16' 38.8283"	16.0 E	130	H		NO	Enabled	28.1 %	28.1 %
6	PGS	N35° 37' 28.9630", W113° 32' 40.0800"	15.0 E	130	DH		NO	Enabled	31.1 %	31.1 %
7	TRM	N33° 37' 41.1477", W116° 09' 36.6968"	13.0 E	130	H		NO	Enabled	8 %	8 %
8	GOG	N35° 53' 39.3000", W115° 29' 45.9000"	0.0 E	130	DH		NO	Enabled	76.2 %	76.2 %
9	LAS	N36° 04' 46.9253", W115° 09' 35.2725"	15.0 E	130	H		NO	Enabled	24.7 %	24.7 %

DME DME Assessment Results for CTRUS5 path ANTLP_LAS

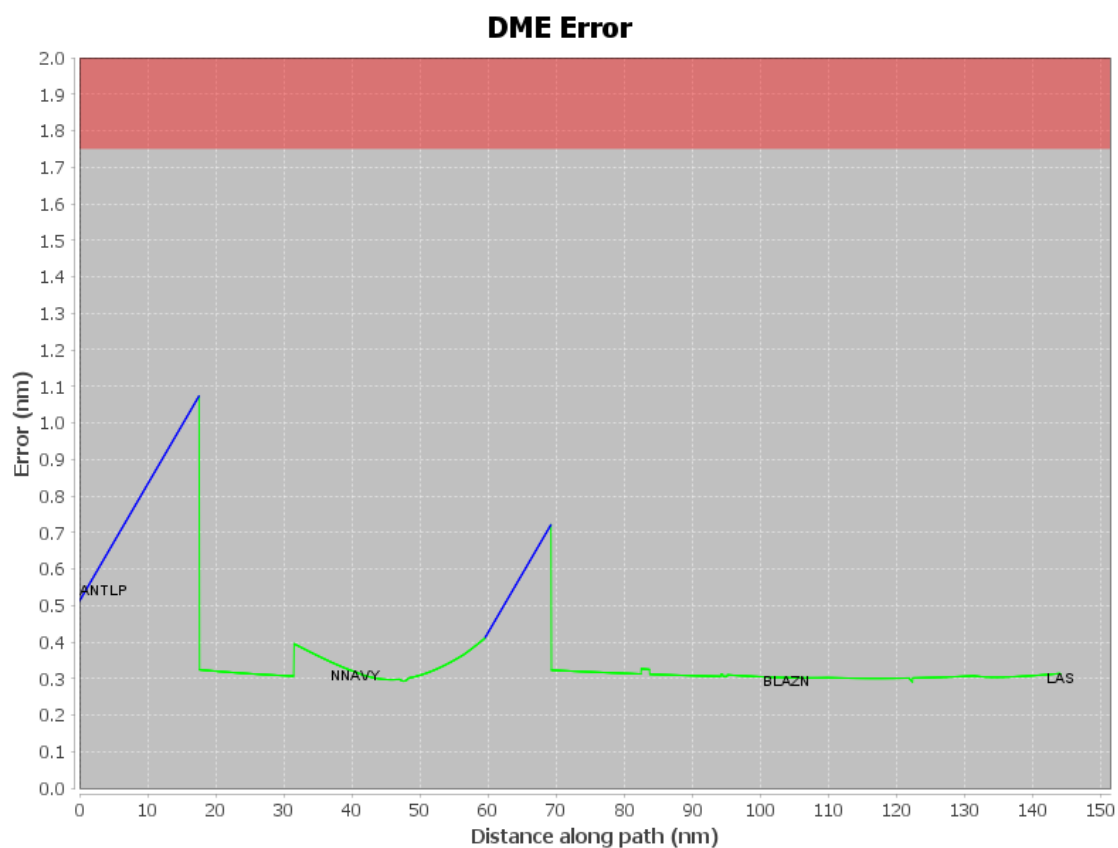
Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0						
17.6	TRM	DAG	HEC			
18.5	TRM	DAG	GOG	HEC		
29.2	GOG	HEC				
40.5	GOG	HEC	DAG			
41.3	GOG	HEC				
59.6						
69.3	EED	HEC	DAG	GOG		
80.7	EED	DAG	GOG			
83.7	EED	HEC	DAG	GOG		
87.1	EED	HEC	GOG			
88.3	EED	HEC	GOG	PGS		
94.1	EED	GOG	PGS			
94.5	EED	HEC	GOG	PGS		
95.1	EED	GOG	PGS			
103.6	EED	GOG	MMM	PGS		
104.3	EED	GOG	LAS	MMM	PGS	
110.0	EED	LAS	GOG	MMM		
115.5	EED	LAS	GOG	BLD	MMM	
120.3	EED	LAS	BLD	MMM		
121.4	EED	LAS	BLD	GOG	MMM	PGS
122.3	EED	LAS	BLD	MMM	PGS	
139.9	EED	GOG	MMM	PGS	BLD	

Inertial Drift Segments			
#	Start Location	End Location	Length [NM]
1	N34° 42' 51.2600", W117° 30' 29.8200"	N34° 48' 15.6254", W117° 10' 07.7424"	17.6282
2	N35° 08' 08.5221", W116° 26' 35.2204"	N35° 14' 43.5747", W116° 17' 50.9859"	9.721

Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
ANTLP	NNAVY	HEC, DAG, TRM, GOG	
NNAVY	BLAZN	EED, HEC, DAG, MMM, PGS, GOG	
BLAZN	LAS	EED, BLD, MMM, PGS, GOG, LAS	

User Data Files								
#	File Name							
1	CHOII APPROVED ESVs.udt							
2	HAYEZ APPROVED ESVs.udt							
3	OROSZ APPROVED ESV.udt							
4	SLAPP APPROVED ESV.udt							
User DMEs								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
None								

DME DME Assessment Results for CTRUS5 path ANTLP_LAS



DME DME Assessment Results for CTRUS5 path NNAVY_MISEN

Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Theodore CTR Roller
Project File:	C:\Users\Theodore CTR Roller\Desktop\SoCal\BUR\32274\Post\FPT\20260112 KBUR PTT32274 1.2.tgs
Output File:	C:\Users\Theodore CTR Roller\Desktop\SoCal\BUR\32274\Post\FPT\KSMO [IFPA] CTRUS5 20260115_1401 MST\NNAVY_MISEN\KSMO CTRUS5 SID NNAVY MISEN 20260115_1401 MST.pdf
Procedure Name:	CTRUS5
Software: DmeDmePlugin:	7.6.0
Date/Time:	01/15/2026 14:01 MST
Databases:	MITRE 3DEP 3 arcsec

Failures

No Failures

Warnings

No Warnings

Informational

No Informational

Notes For Flight Check

None

Flight Plan

Name	Type	Lat/Lon	Altitude (ft)	VNAV Mode	Ground Speed (kts)	Turn Type	Leg Type
NNAVY	WP	N34° 55' 10.6800", W116° 43' 40.8800"	15000	VNAV	250	FLY_BY	TF
MISEN	WP	N35° 06' 08.4600", W116° 24' 13.8600"	15000	VNAV	250	FLY_BY	TF

Flyability

Flight Type:	SID
Selected Airport:	KSMO [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 CTRUS5 path NNAVY_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
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	HEC	N34° 47' 49.2645", W116° 27' 46.5193"	15.0 E	130	H		NO	Enabled	82.4 %	82.4 %
2	DAG	N34° 57' 44.8450", W116° 34' 41.3990"	15.0 E	40	L		NO	Enabled	2.9 %	2.9 %
3	GOG	N35° 53' 39.3000", W115° 29' 45.9000"	0.0 E	130	DH		NO	Enabled	82.4 %	82.4 %

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	GOG	HEC	DAG			
0.6	GOG	HEC				
9.9	GOG	HEC	DAG			
10.0	GOG	HEC				
16.0						

Inertial Drift Segments			
#	Start Location	End Location	Length [NM]
1	N35° 04' 15.5172", W116° 27' 35.0076"	N35° 06' 08.4600", W116° 24' 13.8600"	3.3319

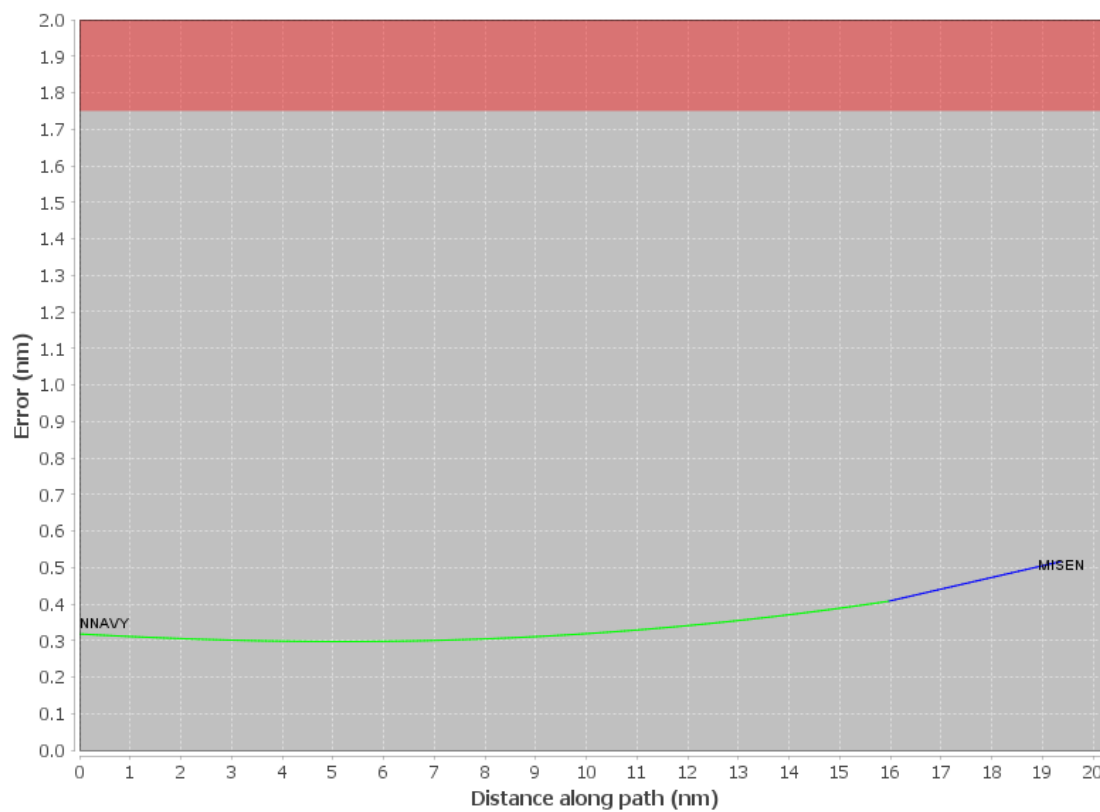
Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
NNAVY	MISEN	HEC, DAG, GOG	

DME DME Assessment Results for CTRUS5 path NNAVY_MISEN

User Data Files								
#	File Name							
1	CHOII APPROVED ESVs.udt							
2	HAYEZ APPROVED ESVs.udt							
3	OROSZ APPROVED ESV.udt							
4	SLAPP APPROVED ESV.udt							
User DMEs								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
None								

DME DME Assessment Results for CTRUS5 path NNAVY_MISEN

DME Error



DME DME Assessment Results for CTRUS5 path OROSZ_CSTRO

Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Theodore CTR Roller
Project File:	C:\Users\Theodore CTR Roller\Desktop\SoCal\BUR\32274\Post\FPT\20260112 KBUR PTT32274 1.2.tgs
Output File:	C:\Users\Theodore CTR Roller\Desktop\SoCal\BUR\32274\Post\FPT\KSMO [IFPA] CTRUS5 20260115_1401 MST\OROSZ_CSTRO\KSMO CTRUS5 SID OROSZ CSTRO 20260115_1401 MST.pdf
Procedure Name:	CTRUS5
Software: DmeDmePlugin:	7.6.0
Date/Time:	01/15/2026 14:01 MST
Databases:	MITRE 3DEP 3 arcsec

Failures

No Failures

Warnings

No Warnings

Informational

No Informational

Notes For Flight Check

None

Flight Plan

Name	Type	Lat/Lon	Altitude (ft)	VNAV Mode	Ground Speed (kts)	Turn Type	Leg Type
OROSZ	WP	N34° 25' 36.1800", W118° 40' 27.0100"	6000	VNAV	250	FLY_BY	TF
HEYJO	WP	N34° 43' 10.3300", W118° 43' 53.0400"	8000	VNAV	250	FLY_BY	TF
CSTRO	WP	N35° 26' 52.6600", W119° 14' 07.0000"	14000	VNAV	250	FLY_BY	TF

Flyability

Flight Type:	SID
Selected Airport:	KSMO [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 CTRUS5 path OROSZ_CSTRO

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	AVE	N35° 38' 49.1120", W119° 58' 42.9800"	16.0 E	130	DH		NO	Enabled	71.9 %	71.9 %
2	FLW	N35° 05' 35.1040", W119° 51' 56.0830"	16.0 E	40	L		NO	Enabled	0.4 %	0.4 %
3	LAX	N33° 55' 59.3368", W118° 25' 55.2460"	15.0 E	130	H		NO	Enabled	10.6 %	10.6 %
4	EHF	N35° 29' 04.3957", W119° 05' 50.2571"	14.0 E	130	H		NO	Enabled	56.9 %	56.9 %
5	TTE	N35° 54' 46.9842", W119° 01' 14.9144"	16.0 E	130	DH		NO	Enabled	89.7 %	89.7 %
6	VTU	N34° 06' 53.7239", W119° 02' 56.9994"	15.0 E	40	L		NO	Enabled	22.7 %	22.7 %
7	LHS	N34° 40' 58.7040", W118° 34' 36.9770"	15.0 E	130	H		NO	Enabled	46.9 %	46.9 %
8	PMD	N34° 37' 53.0341", W118° 03' 49.7607"	15.0 E	130	H		NO	Enabled	18.7 %	18.7 %
9	GMN	N34° 48' 14.5030", W118° 51' 40.8970"	16.0 E	40	L		NO	Enabled	52.7 %	52.7 %
10	FIM	N34° 21' 24.0970", W118° 52' 52.6480"	15.0 E	40	L		NO	Enabled	30.3 %	30.4 %
11	GOG	N35° 53' 39.3000", W115° 29' 45.9000"	0.0 E	130	DH		NO	Enabled	2.3 %	2.4 %

DME DME Assessment Results for CTRUS5 path OROSZ_CSTRO

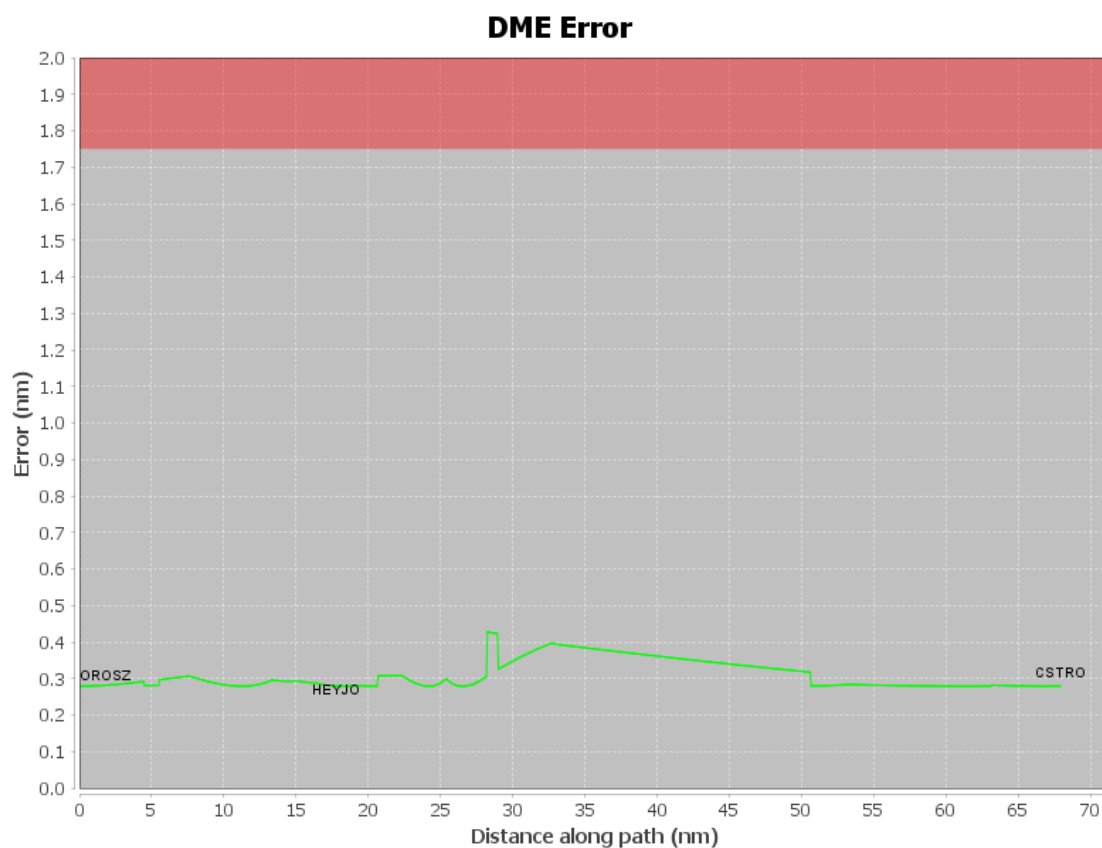
Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	GMN	FIM	LAX	VTU	LHS	GOG
1.7	GMN	FIM	LAX	VTU	LHS	
7.3	GMN	FIM	LHS	VTU	TTE	
15.5	PMD	FIM	TTE	LHS	GMN	
19.2	PMD	FIM	LHS	TTE		
19.3	PMD	FIM	LHS	TTE	AVE	
20.7	TTE	PMD	AVE			
22.7	GMN	TTE	PMD	LHS	AVE	
23.4	AVE	TTE				
28.1	GMN	LHS	AVE	TTE	EHF	
28.3	AVE	TTE	EHF	GMN		
29.0	GMN	AVE	LHS	TTE	EHF	
39.4	AVE	TTE	EHF			
51.4	EHF	FLW	GMN	TTE	AVE	LHS
51.7	AVE	TTE	EHF			
60.8	EHF	AVE	TTE	GMN		
64.7	AVE	TTE	EHF			
66.0	AVE	TTE				
67.1	AVE	TTE	EHF			

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

Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
OROSZ	HEYJO	LAX, TTE, VTU, LHS, PMD, GMN, FIM, GOG	
HEYJO	CSTRO	AVE, FLW, EHF, TTE, LHS, PMD, GMN, FIM	

User Data Files								
#	File Name							
1	CHOII APPROVED ESVs.udt							
2	HAYEZ APPROVED ESVs.udt							
3	OROSZ APPROVED ESV.udt							
4	SLAPP APPROVED ESV.udt							
User DMEs								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
None								

DME DME Assessment Results for CTRUS5 path OROSZ_CSTRO



DME ESVs

#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
None								