

DME DME Assessment Results for CWARD3 path CWARD_LAX

Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Mark A-CTR Tellier
Project File:	C:\Users\Mark A-CTR Tellier\Desktop\Projects - TM\SAN\CWARD3 & PADRZ3 SIDs 20260519 - DME.tgs
Output File:	C:\Users\Mark A-CTR Tellier\Desktop\Projects - TM\SAN\Submission Pkg\CWARD3 RNAV SID\KSAN [IFPA] CWARD3 20260519_1145 PDT\CWARD_LAX\KSAN CWARD3 SID CWARD LAX 20260519_1145 PDT.pdf
Procedure Name:	CWARD3
Software: DmeDmePlugin:	8.0.0
Date/Time:	05/19/2026 11:45 PDT
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
CWARD	WP	N33° 23' 02.4500", W117° 54' 33.3800"	8000	VNAV	200	FLY_BY	TF
LAX	WP	N33° 55' 59.3368", W118° 25' 55.2460"	8000	VNAV	200	FLY_BY	TF

Flyability

Flight Type:	SID
Selected Airport:	KSAN [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 CWARD3 path CWARD_LAX

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	FVQ	N33° 07' 48.6200", W117° 16' 33.2400"	0.0 E	40	L		NO	Enabled	7.7 %	7.7 %
2	VNY	N34° 13' 26.4770", W118° 29' 30.2063"	15.0 E	40	L		NO	Enabled	6.1 %	6.1 %
3	LAX	N33° 55' 59.3368", W118° 25' 55.2460"	15.0 E	130	H		NO	Enabled	87.3 %	87.3 %
4	PDZ	N33° 55' 06.0128", W117° 31' 47.9897"	15.0 E	130	H		NO	Enabled	2.6 %	2.6 %
5	FIM	N34° 21' 24.0970", W118° 52' 52.6480"	15.0 E	40	L		NO	Enabled	14.1 %	14.1 %
6	POM	N34° 04' 42.1962", W117° 47' 13.4633"	15.0 E	40	L		NO	Enabled	78.9 %	78.9 %
7	SLI	N33° 46' 59.8839", W118° 03' 17.1304"	15.0 E	40	L		NO	Enabled	100 %	100 %
8	SMO	N34° 00' 37.5301", W118° 27' 22.9701"	15.0 E	40	L		NO	Enabled	83.6 %	83.6 %
9	VTU	N34° 06' 53.7239", W119° 02' 56.9994"	15.0 E	40	L		NO	Enabled	14.8 %	14.8 %
10	CMA	N34° 12' 45.0757", W119° 05' 39.6787"	15.0 E	40	L		NO	Enabled	0.1 %	0.1 %
11	ELB	N33° 40' 33.7284", W117° 43' 51.9285"	14.0 E	130	DL		NO	Enabled	100 %	100 %
12	OCN	N33° 14' 26.2815", W117° 25' 03.7947"	15.0 E	130	H		NO	Enabled	32.5 %	32.5 %
13	SXC	N33° 22' 30.2010", W118° 25' 11.6750"	15.0 E	130	H		NO	Enabled	96.3 %	96.3 %

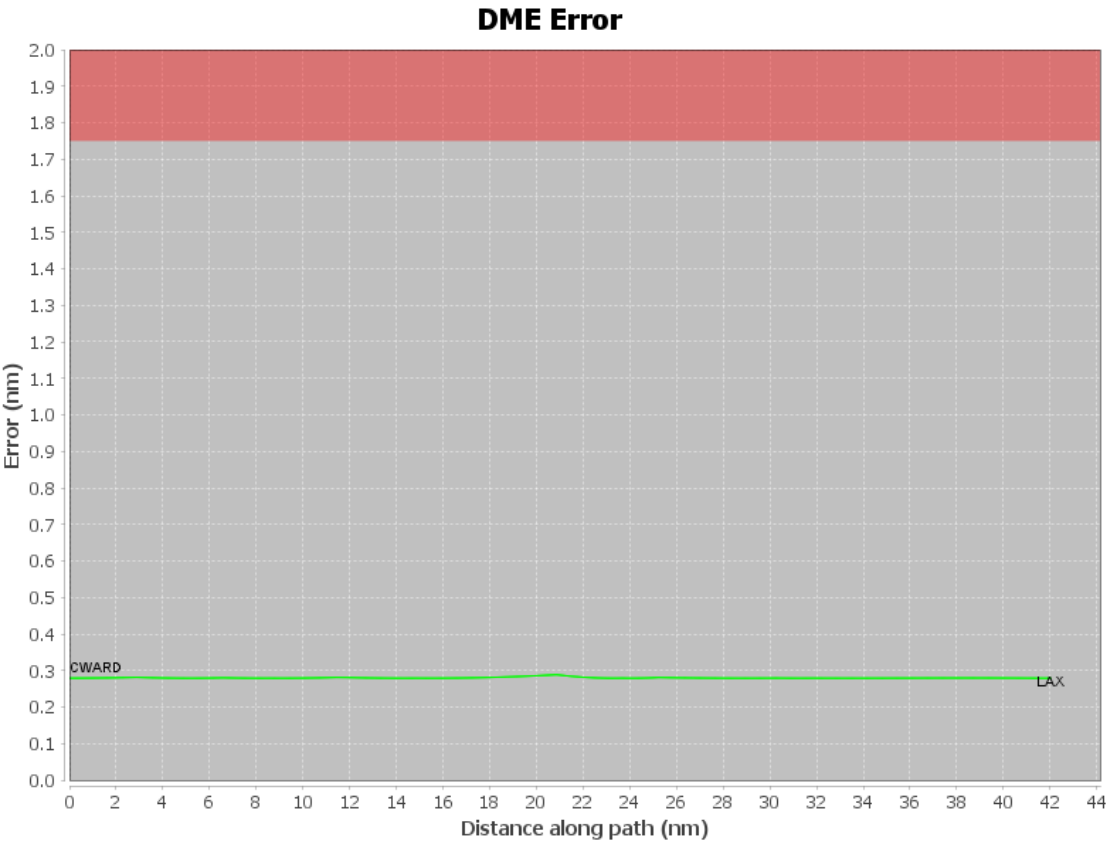
Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	FVQ	ELB	OCN	SLI	SXC	
3.3	SLI	SXC	ELB	OCN	LAX	
13.7	SMO	SXC	LAX	ELB	POM	SLI
38.5	POM	SMO	FIM	VTU	ELB	SLI

DME DME Assessment Results for CWARD3 path CWARD_LAX

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

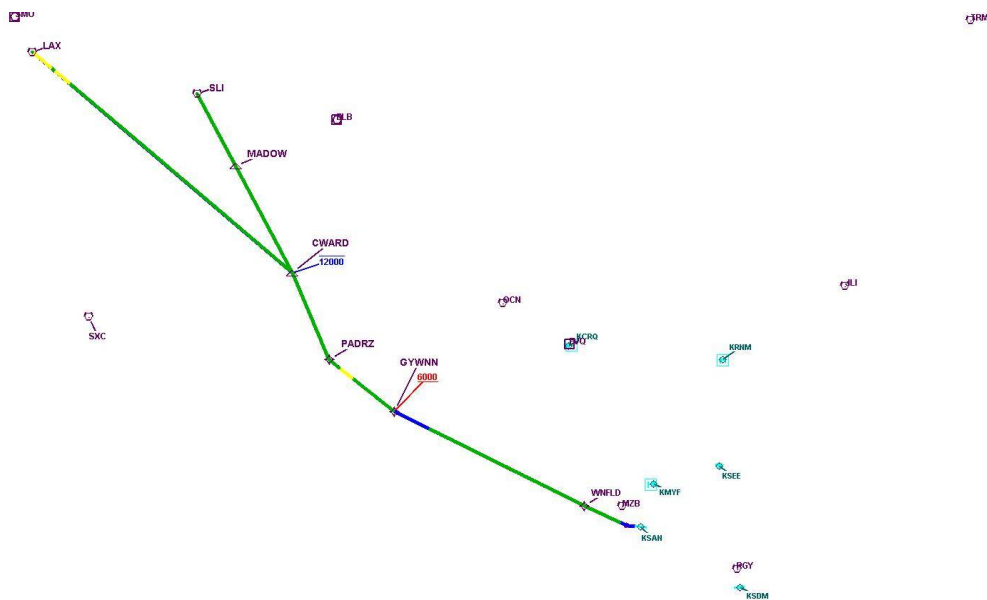
Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
CWARD	LAX	FVQ, VNY, LAX, PDZ, FIM, POM, SLI, SMO, VTU, CMA, ELB, OCN, SXC	

User Data Files								
#	File Name							
None								
User DMEs								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
None								



DME DME Assessment Results for CWARD3 path CWARD_LAX

Graphic Depiction 1



DME DME Assessment Results for CWARD3 path KSAN:RW27:DER_SLI

Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Mark A-CTR Tellier
Project File:	C:\Users\Mark A-CTR Tellier\Desktop\Projects - TM\SAN\CWARD3 & PADRZ3 SIDs 20260519 - DME.tgs
Output File:	C:\Users\Mark A-CTR Tellier\Desktop\Projects - TM\SAN\Submission Pkg\CWARD3 RNAV SID\KSAN [IFPA] CWARD3 20260519_1145 PDT\KSAN-RW27-DER_SLI\KSAN CWARD3 SID RW27 SLI 20260519_1145 PDT.pdf
Procedure Name:	CWARD3
Software: DmeDmePlugin:	8.0.0
Date/Time:	05/19/2026 11:45 PDT
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
KSAN:RW27:DER	WP	N32° 44' 13.6407", W117° 12' 15.6832"	13.9	VNAV	130	FLY_OVER	TF
WNFLD	WP	N32° 47' 52.8300", W117° 18' 57.4900"	3400.3	VNAV	200	FLY_BY	TF
GYWNN	WP	N33° 03' 48.4400", W117° 43' 45.2300"	6000	VNAV	200	FLY_BY	TF
PADRZ	WP	N33° 11' 38.0000", W117° 51' 43.0000"	8000	VNAV	200	FLY_BY	TF
CWARD	WP	N33° 23' 02.4500", W117° 54' 33.3800"	8000	VNAV	200	FLY_BY	TF
MADOW	WP	N33° 37' 24.9700", W117° 59' 47.0400"	8000	VNAV	200	FLY_BY	TF
SLI	WP	N33° 46' 59.8839", W118° 03' 17.1304"	8000	VNAV	200	FLY_BY	TF
Climb Gradient: 500.0 ft/NM up to 3000.0 ft MSL 200.0 ft/NM							

Flyability

Flight Type:	SID
Selected Airport:	KSAN [IFPA]
Climb Gradient:	500.0 ft/NM up to 3000.0 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 CWARD3 path KSAN:RW27:DER_SLI

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	FVQ	N33° 07' 48.6200", W117° 16' 33.2400"	0.0 E	40	L		NO	Enabled	63.4 %	63.5 %
2	SLI	N33° 46' 59.8839", W118° 03' 17.1304"	15.0 E	40	L		NO	Enabled	42.1 %	43.1 %
3	LAX	N33° 55' 59.3368", W118° 25' 55.2460"	15.0 E	130	H		NO	Enabled	25.5 %	26.1 %
4	PGY	N32° 36' 37.2239", W116° 58' 44.7601"	14.0 E	130	H		NO	Enabled	30.8 %	30.2 %
5	MZB	N32° 46' 55.9467", W117° 13' 31.5170"	15.0 E	130	H		NO	Enabled	16.5 %	16.8 %
6	SMO	N34° 00' 37.5301", W118° 27' 22.9701"	15.0 E	40	L		NO	Enabled	19.8 %	20.3 %
7	PDZ	N33° 55' 06.0128", W117° 31' 47.9897"	15.0 E	130	H		NO	Enabled	3.9 %	4 %
8	ELB	N33° 40' 33.7284", W117° 43' 51.9285"	14.0 E	130	DL		NO	Enabled	80.4 %	82.2 %
9	OCN	N33° 14' 26.2815", W117° 25' 03.7947"	15.0 E	130	H		NO	Enabled	70.3 %	71.9 %
10	SXC	N33° 22' 30.2010", W118° 25' 11.6750"	15.0 E	130	H		NO	Enabled	56 %	57.3 %
11	POM	N34° 04' 42.1962", W117° 47' 13.4633"	15.0 E	40	L		NO	Enabled	24.9 %	25.5 %

DME DME Assessment Results for CWARD3 path KSAN:RW27:DER_SLI

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0						
1.9	FVQ	PGY				
4.9	FVQ	PGY	MZB			
5.1	FVQ	PGY				
7.3	FVQ	MZB	PGY			
8.3	FVQ	MZB	PGY	OCN		
9.4	FVQ	MZB	PGY	OCN	ELB	
20.7	FVQ	PGY	OCN	ELB		
26.1	FVQ	ELB	OCN			
28.2						
33.1	FVQ	ELB	OCN			
34.2	FVQ	ELB	SXC	OCN		
39.6	SLI	OCN	FVQ	ELB	SXC	
57.6	ELB	OCN	SLI	SXC		
59.1	SLI	SXC	ELB	OCN	LAX	
70.7	SLI	ELB	SMO	SXC	LAX	POM
73.9	SMO	SXC	LAX	POM	ELB	

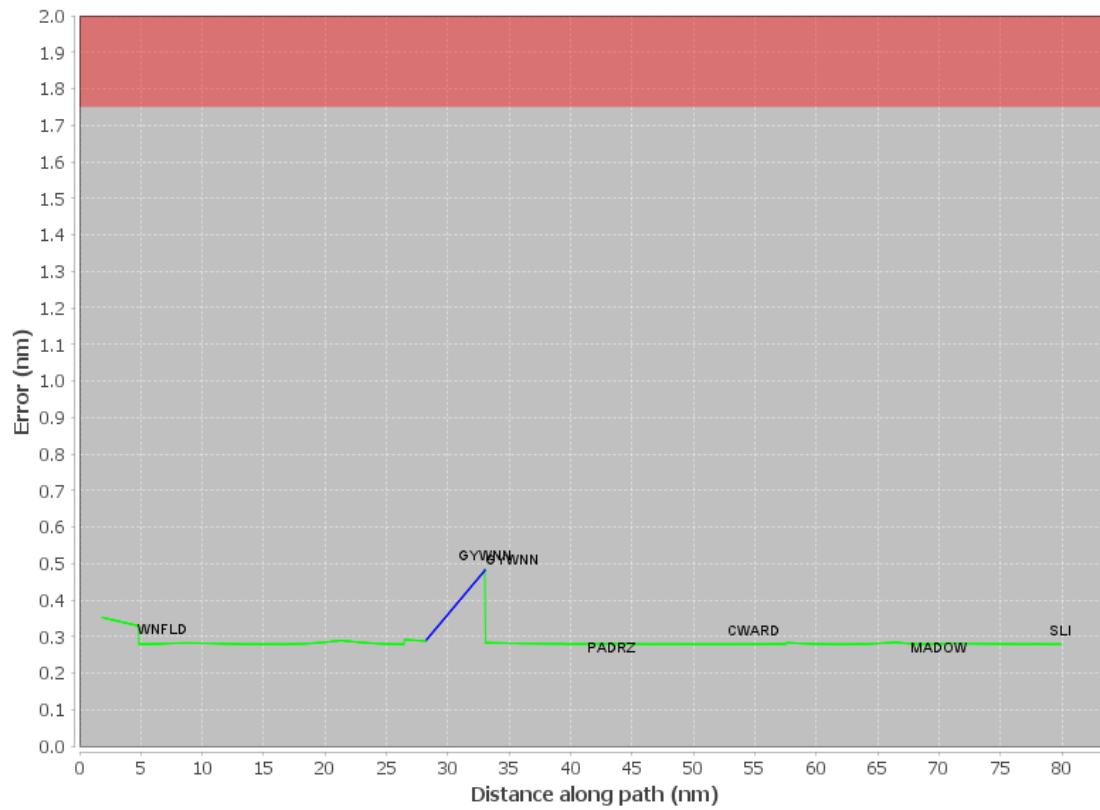
Inertial Drift Segments			
#	Start Location	End Location	Length [NM]
1	N32° 44' 14.2188", W117° 12' 18.0699"	N32° 44' 59.9340", W117° 14' 13.3722"	1.815
2	N33° 00' 55.3297", W117° 39' 14.4879"	N33° 03' 50.9659", W117° 43' 47.7949"	4.8132

Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
KSAN:RW27:DER	WNFLD	FVQ, PGY, MZB	
WNFLD	GYWNN	FVQ, PGY, MZB, ELB, OCN	
GYWNN	PADRZ	FVQ, SLI, ELB, OCN, SXC	
PADRZ	CWARD	FVQ, SLI, ELB, OCN, SXC	
CWARD	MADOW	FVQ, SLI, LAX, SMO, ELB, OCN, SXC, POM	
MADOW	SLI	SLI, LAX, SMO, PDZ, ELB, OCN, POM, SXC	

User Data Files								
#	File Name							
None								
User DMEs								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
None								

DME DME Assessment Results for CWARD3 path KSAN:RW27:DER_SLI

DME Error



Graphic Depiction 1

