

DME DME Assessment Results for JEANY1 path JEANY__MCDON

Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	David C-CTR Cook
Project File:	C:\Users\David C-CTR Cook\Documents\TARGETS WORK\DME-DME WORK\6-12-2025 PUBLICATION\KGSO JEANY1\DME-DME WITHOUT RDU\KGSO JEANY1 (RNAV) SID DME-DME WITHOUT RDU.tgs
Output File:	C:\Users\David C-CTR Cook\Documents\TARGETS WORK\DME-DME WORK\6-12-2025 PUBLICATION\KGSO JEANY1\DME-DME WITHOUT RDU\KGSO [IFPA] JEANY1 20250520_0500 EDT\JEANY__MCDON\KGSO JEANY1 SID JEANY MCDON 20250520_0500 EDT.pdf
Procedure Name:	JEANY1
Software: DmeDmePlugin:	7.5.0
Date/Time:	05/20/2025 05:00 EDT
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
JEANY__	WP	N36° 25' 04.4393", W079° 22' 08.9703"	2500	VNAV	200	FLY_BY	TF
MCDON	WP	N36° 40' 29.5600", W079° 00' 52.0300"	6000	VNAV	200	FLY_BY	TF

Flyability

Flight Type:	SID
Selected Airport:	KGSO [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 JEANY1 path JEANY__MCDON

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:	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:	Enabled
Disabled DMEs:	RDU

DME/DME (Continued)										
DMEs Used										
#	Name	Lat/Lon	MAGVAR	Range	Type	Source	Critical	Status	Time	Distance
1	GSO	N36° 02' 44.4948", W079° 58' 34.9356"	3.0 W	130	H		NO	Enabled	26.2 %	26.2 %
2	TYI	N35° 58' 36.2050", W077° 42' 13.4340"	5.0 W	130	H		NO	Enabled	26.2 %	26.2 %
3	SBV	N36° 40' 30.1389", W079° 00' 52.1970"	5.0 W	40	L		NO	Enabled	7.7 %	7.7 %
4	LYH	N37° 15' 16.4773", W079° 14' 10.9699"	5.0 W	40	L		NO	Enabled	26.2 %	26.2 %
5	RDU	N35° 52' 21.0761", W078° 47' 00.0316"	9.0 W	130	H	IFPA	NO	Disabled		

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0						
17.0	TYI	SBV	GSO	LYH		
18.8	TYI	GSO	LYH			

Inertial Drift Segments			
#	Start Location	End Location	Length [NM]
1	N36° 25' 04.4393", W079° 22' 08.9703"	N36° 36' 27.2619", W079° 06' 27.8049"	17.0016

Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
JEANY__	MCDON	GSO, TYI, SBV, LYH	

DME DME Assessment Results for JEANY1 path JEANY_MCDON

User Data Files

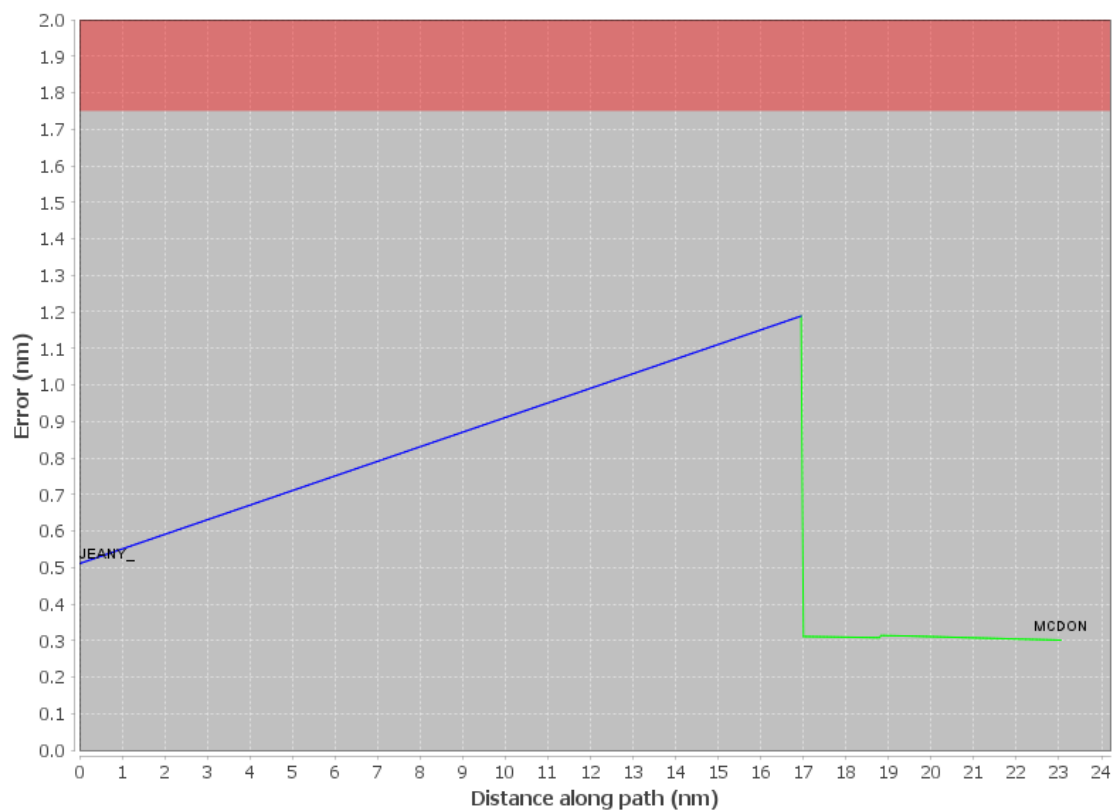
#	File Name
1	New Analysis.udt
2	UserDMESKGSO [IFPA] HOPRZ1 SID_20250430_0842 EDT.udt
3	UserDMESKGSO [IFPA] JEANY1 SID_20241120_1421 EST.udt

User DMEs

#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	LYH LYH	N37° 15' 16.4773", W079° 14' 10.9699"	5.0 W	40	870.8	109.2	LYH	
ESV:		Bearing [True]: 154.0° to 174.0° Bearing [Mag]: 159.0° to 179.0°				Arc Distance: Out to 46.0 NM Altitude: 5900.0 to 18900.0 ft		
2	UDT ESV GSO GSO	N36° 02' 44.4948", W079° 58' 34.9356"	3.0 W	130	907.9	116.2	UDT ESV GSO	
ESV:		Bearing [True]: 292.0° to 55.0° Bearing [Mag]: 295.0° to 58.0°				Arc Distance: Out to 98.0 NM Altitude: 8900.0 to 15600.0 ft		
3	UDT ESV MOL MOL	N37° 54' 03.1524", W079° 06' 22.2526"	5.0 W	40	3458.9	115.3	UDT ESV MOL	
ESV:		Bearing [True]: 217.0° to 227.0° Bearing [Mag]: 222.0° to 232.0°				Arc Distance: Out to 66.0 NM Altitude: 8800.0 to 15000.0 ft		
4	TYI TYI	N35° 58' 36.2050", W077° 42' 13.4340"	5.0 W	130	72.9	117.8	TYI	
ESV:		Bearing [True]: 297.0° to 307.0° Bearing [Mag]: 302.0° to 312.0°				Arc Distance: Out to 82.0 NM Altitude: 5900.0 to 14600.0 ft		
5	UDT ESV GSO GSO	N36° 02' 44.4948", W079° 58' 34.9356"	3.0 W	130	907.9	116.2	UDT ESV GSO	
ESV:		Bearing [True]: 43.0° to 61.0° Bearing [Mag]: 46.0° to 64.0°				Arc Distance: Out to 73.0 NM Altitude: 5300.0 to 10000.0 ft		

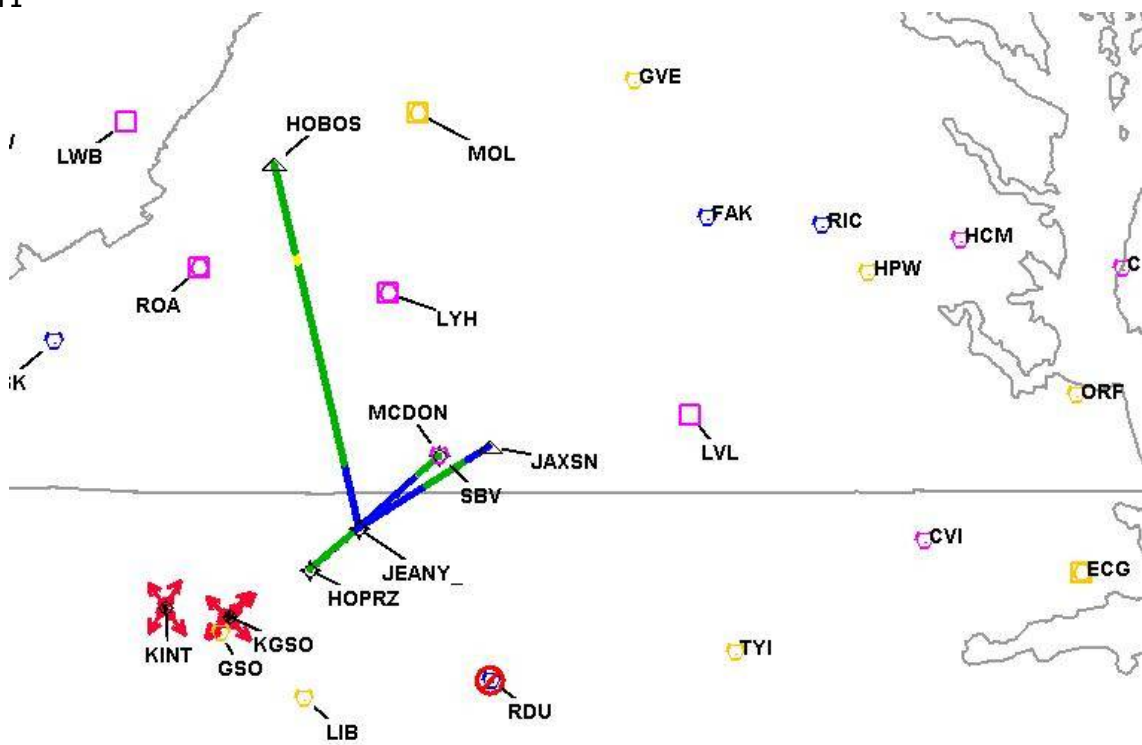
DME DME Assessment Results for JEANY1 path JEANY__MCDON

DME Error



DME DME Assessment Results for JEANY1 path JEANY__MCDON

Graphic Depiction 1



DME DME Assessment Results for JEANY1 path JEANY__JAXSN

Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	David C-CTR Cook
Project File:	C:\Users\David C-CTR Cook\Documents\TARGETS WORK\DME-DME WORK\6-12-2025 PUBLICATION\KGSO JEANY1\DME-DME WITHOUT RDU\KGSO JEANY1 (RNAV) SID DME-DME WITHOUT RDU.tgs
Output File:	C:\Users\David C-CTR Cook\Documents\TARGETS WORK\DME-DME WORK\6-12-2025 PUBLICATION\KGSO JEANY1\DME-DME WITHOUT RDU\KGSO [IFPA] JEANY1 20250520_0500 EDT\JEANY__JAXSN\KGSO JEANY1 SID JEANY JAXSN 20250520_0500 EDT.pdf
Procedure Name:	JEANY1
Software: DmeDmePlugin:	7.5.0
Date/Time:	05/20/2025 05:00 EDT
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
JEANY__	WP	N36° 25' 04.4393", W079° 22' 08.9703"	2500	VNAV	200	FLY_BY	TF
JAXSN	WP	N36° 42' 38.2200", W078° 47' 23.3100"	7500	VNAV	200	FLY_BY	TF

Flyability

Flight Type:	SID
Selected Airport:	KGSO [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 JEANY1 path JEANY__JAXSN

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:	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:	Enabled
Disabled DMEs:	RDU

DME/DME (Continued)										
DMEs Used										
#	Name	Lat/Lon	MAGVAR	Range	Type	Source	Critical	Status	Time	Distance
1	GSO	N36° 02' 44.4948", W079° 58' 34.9356"	3.0 W	130	H		NO	Enabled	31.6 %	31.6 %
2	TYI	N35° 58' 36.2050", W077° 42' 13.4340"	5.0 W	130	H		NO	Enabled	30.9 %	30.9 %
3	SBV	N36° 40' 30.1389", W079° 00' 52.1970"	5.0 W	40	L		NO	Enabled	12.4 %	12.4 %
4	LYH	N37° 15' 16.4773", W079° 14' 10.9699"	5.0 W	40	L		NO	Enabled	31.6 %	31.6 %
5	RDU	N35° 52' 21.0761", W078° 47' 00.0316"	9.0 W	130	H	IFPA	NO	Disabled		

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0						
17.0	LYH	GSO				
17.1	TYI	SBV	LYH	GSO		
19.7	LYH	GSO	TYI			
25.9	LYH	GSO	TYI	SBV		
27.4	LYH	GSO	SBV			
27.5						

Inertial Drift Segments			
#	Start Location	End Location	Length [NM]
1	N36° 25' 04.4393", W079° 22' 08.9703"	N36° 34' 07.8744", W079° 04' 17.8784"	17
2	N36° 39' 42.0483", W078° 53' 14.5029"	N36° 42' 38.2200", W078° 47' 23.3100"	5.5464

Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
JEANY_	JAXSN	GSO, TYI, SBV, LYH	

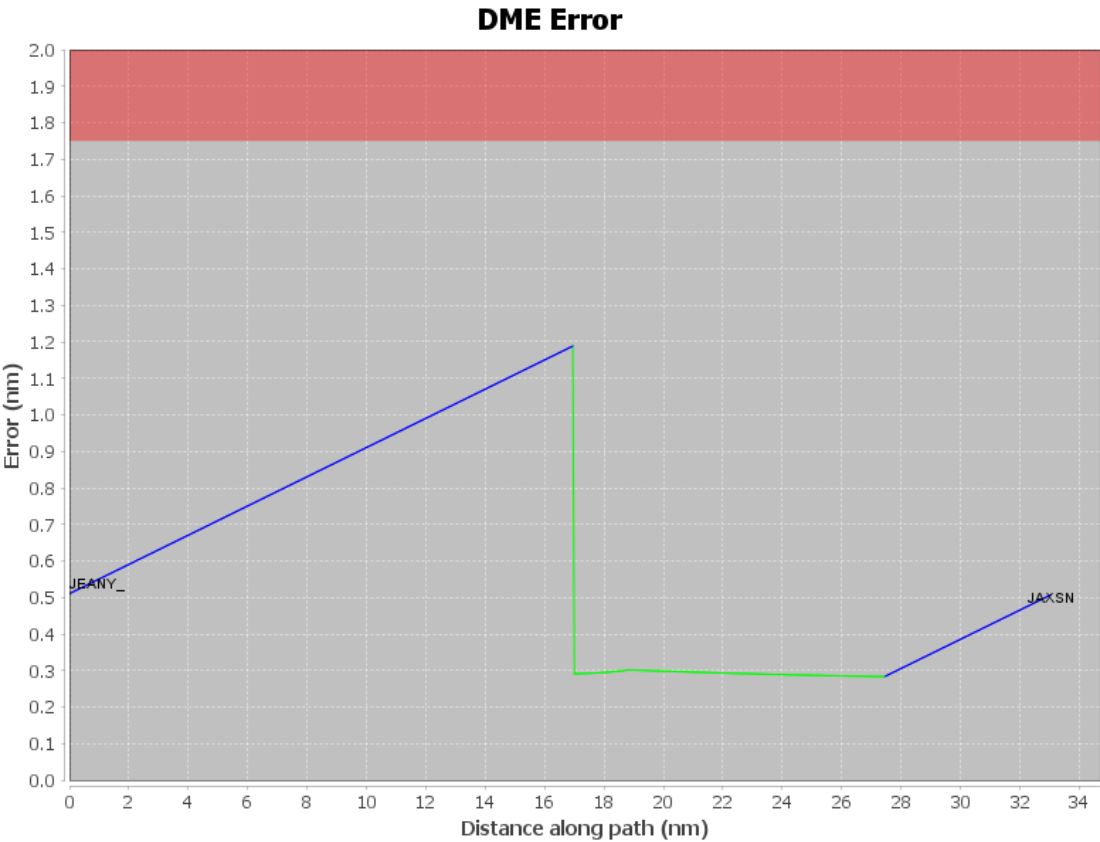
DME DME Assessment Results for JEANY1 path JEANY__JAXSN

User Data Files

#	File Name
1	New Analysis.udt
2	UserDMESKGSO [IFPA] HOPRZ1 SID_20250430_0842 EDT.udt
3	UserDMESKGSO [IFPA] JEANY1 SID_20241120_1421 EST.udt

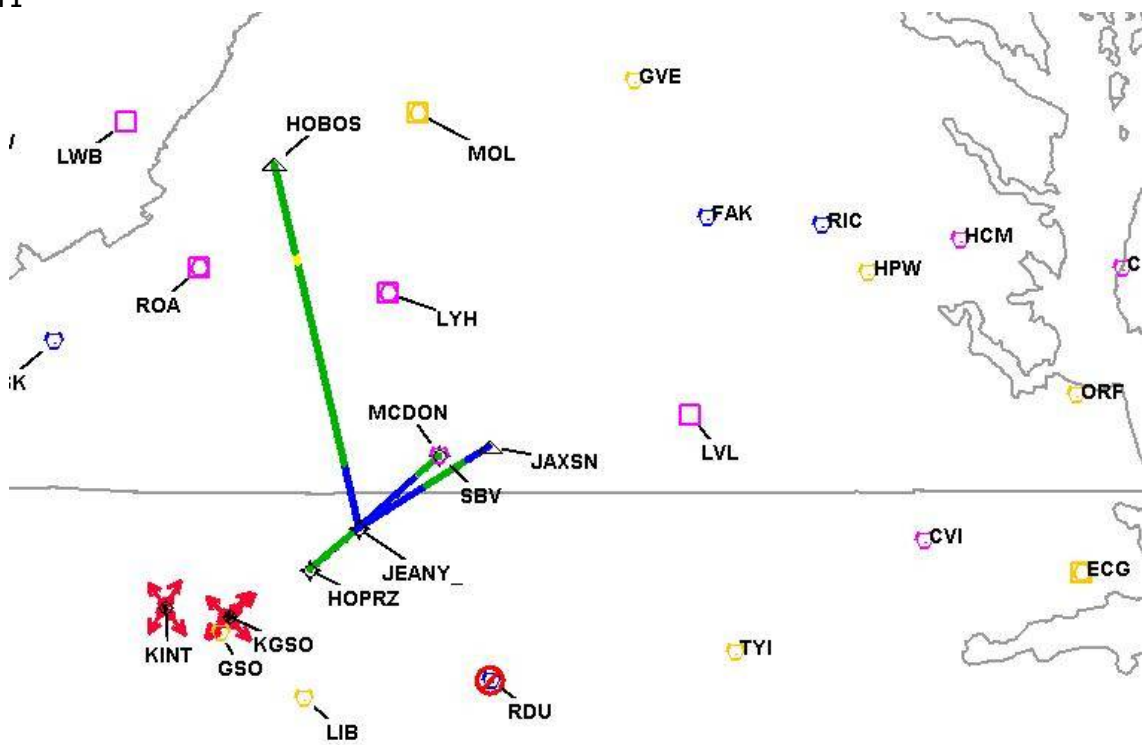
User DMEs

#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	LYH LYH	N37° 15' 16.4773", W079° 14' 10.9699"	5.0 W	40	870.8	109.2	LYH	
ESV:		Bearing [True]: 154.0° to 174.0° Bearing [Mag]: 159.0° to 179.0°				Arc Distance: Out to 46.0 NM Altitude: 5900.0 to 18900.0 ft		
2	UDT ESV GSO GSO	N36° 02' 44.4948", W079° 58' 34.9356"	3.0 W	130	907.9	116.2	UDT ESV GSO	
ESV:		Bearing [True]: 292.0° to 55.0° Bearing [Mag]: 295.0° to 58.0°				Arc Distance: Out to 98.0 NM Altitude: 8900.0 to 15600.0 ft		
3	UDT ESV MOL MOL	N37° 54' 03.1524", W079° 06' 22.2526"	5.0 W	40	3458.9	115.3	UDT ESV MOL	
ESV:		Bearing [True]: 217.0° to 227.0° Bearing [Mag]: 222.0° to 232.0°				Arc Distance: Out to 66.0 NM Altitude: 8800.0 to 15000.0 ft		
4	TYI TYI	N35° 58' 36.2050", W077° 42' 13.4340"	5.0 W	130	72.9	117.8	TYI	
ESV:		Bearing [True]: 297.0° to 307.0° Bearing [Mag]: 302.0° to 312.0°				Arc Distance: Out to 82.0 NM Altitude: 5900.0 to 14600.0 ft		
5	UDT ESV GSO GSO	N36° 02' 44.4948", W079° 58' 34.9356"	3.0 W	130	907.9	116.2	UDT ESV GSO	
ESV:		Bearing [True]: 43.0° to 61.0° Bearing [Mag]: 46.0° to 64.0°				Arc Distance: Out to 73.0 NM Altitude: 5300.0 to 10000.0 ft		



DME DME Assessment Results for JEANY1 path JEANY_JAXSN

Graphic Depiction 1



DME DME Assessment Results for JEANY1 path HOPRZ_HOBOS

Results Summary

Flyability:	Completed
DME/DME:	Completed - 1 Critical DMEs: LIB
Name:	David C-CTR Cook
Project File:	C:\Users\David C-CTR Cook\Documents\TARGETS WORK\DME-DME WORK\6-12-2025 PUBLICATION\KGSO JEANY1\DME-DME WITHOUT RDU\KGSO JEANY1 (RNAV) SID DME-DME WITHOUT RDU.tgs
Output File:	C:\Users\David C-CTR Cook\Documents\TARGETS WORK\DME-DME WORK\6-12-2025 PUBLICATION\KGSO JEANY1\DME-DME WITHOUT RDU\KGSO [IFPA] JEANY1 20250520_0500 EDT\HOPRZ_HOBOS\KGSO JEANY1 SID HOPRZ HOBOS 20250520_0500 EDT.pdf
Procedure Name:	JEANY1
Software: DmeDmePlugin:	7.5.0
Date/Time:	05/20/2025 05:00 EDT
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
HOPRZ	WP	N36° 16' 09.5119", W079° 35' 13.4129"	2500	VNAV	200	FLY_BY	TF
JEANY_	WP	N36° 25' 04.4393", W079° 22' 08.9703"	2500	VNAV	200	FLY_BY	TF
HOBOS	WP	N37° 42' 54.0700", W079° 44' 33.1800"	9000	VNAV	200	FLY_BY	TF

Flyability

Flight Type:	SID
Selected Airport:	KGSO [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 JEANY1 path HOPRZ_HOBOS

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:	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:	Enabled
Disabled DMEs:	RDU

DME/DME (Continued)										
DMEs Used										
#	Name	Lat/Lon	MAGVAR	Range	Type	Source	Critical	Status	Time	Distance
1	GSO	N36° 02' 44.4948", W079° 58' 34.9356"	3.0 W	130	H		NO	Enabled	59.8 %	59.8 %
2	LIB	N35° 48' 41.8373", W079° 36' 45.3309"	3.0 W	40	L		YES	Enabled	14 %	14 %
3	ROA	N37° 20' 36.4659", W080° 04' 13.4304"	4.0 W	40	L		NO	Enabled	53.3 %	53.3 %
4	SBV	N36° 40' 30.1389", W079° 00' 52.1970"	5.0 W	40	L		NO	Enabled	33.8 %	33.8 %
5	LYH	N37° 15' 16.4773", W079° 14' 10.9699"	5.0 W	40	L		NO	Enabled	70.6 %	70.6 %
6	MOL	N37° 54' 03.1524", W079° 06' 22.2526"	5.0 W	40	L		NO	Enabled	19.5 %	19.5 %
7	RDU	N35° 52' 21.0761", W078° 47' 00.0316"	9.0 W	130	H	IFPA	NO	Disabled		

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	GSO	LIB	SBV			
2.2	GSO	LIB				
13.2						
27.5	LYH	SBV				
43.7	LYH	SBV	ROA			
45.8	LYH	SBV	ROA	GSO		
57.0	GSO	ROA	LYH			
71.8	MOL	LYH	GSO	ROA		
73.6	LYH	MOL	ROA			
74.0	MOL	LYH	GSO	ROA		
76.7	GSO	LYH	ROA			
80.1	LYH	MOL	ROA	GSO		
89.1	ROA	LYH	MOL			

DME DME Assessment Results for JEANY1 path HOPRZ_HOBOS

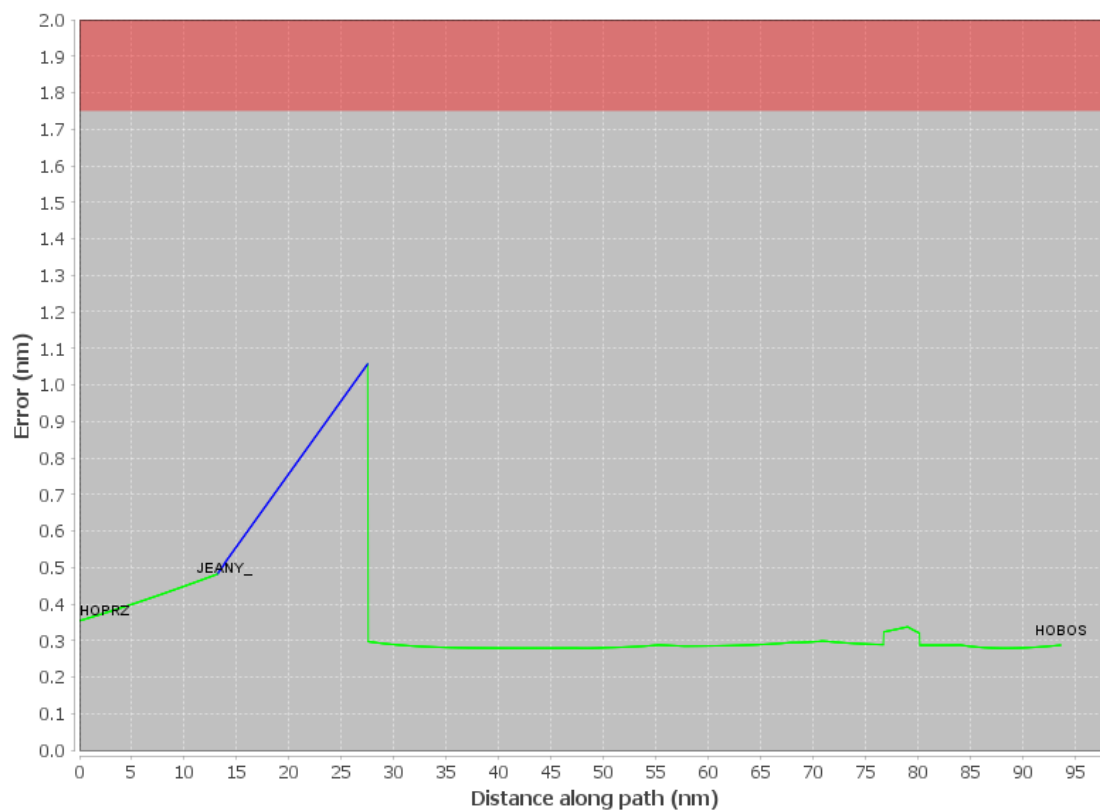
Inertial Drift Segments			
#	Start Location	End Location	Length [NM]
1	N36° 24' 40.8384", W079° 22' 43.6874"	N36° 38' 28.0973", W079° 25' 56.9742"	14.3318

Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
HOPRZ	JEANY_	GSO, LIB, SBV	
JEANY_	HOBOS	GSO, ROA, SBV, LYH, MOL	

User Data Files								
#	File Name							
1	New Analysis.udt							
2	UserDMEsKGSO [IFPA] HOPRZ1 SID_20250430_0842 EDT.udt							
3	UserDMEsKGSO [IFPA] JEANY1 SID_20241120_1421 EST.udt							
User DMEs								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	LYH LYH	N37° 15' 16.4773", W079° 14' 10.9699"	5.0 W	40	870.8	109.2	LYH	
ESV:		Bearing [True]: 154.0° to 174.0° Bearing [Mag]: 159.0° to 179.0°				Arc Distance: Out to 46.0 NM Altitude: 5900.0 to 18900.0 ft		
2	UDT ESV GSO GSO	N36° 02' 44.4948", W079° 58' 34.9356"	3.0 W	130	907.9	116.2	UDT ESV GSO	
ESV:		Bearing [True]: 292.0° to 55.0° Bearing [Mag]: 295.0° to 58.0°				Arc Distance: Out to 98.0 NM Altitude: 8900.0 to 15600.0 ft		
3	UDT ESV MOL MOL	N37° 54' 03.1524", W079° 06' 22.2526"	5.0 W	40	3458.9	115.3	UDT ESV MOL	
ESV:		Bearing [True]: 217.0° to 227.0° Bearing [Mag]: 222.0° to 232.0°				Arc Distance: Out to 66.0 NM Altitude: 8800.0 to 15000.0 ft		
4	TYI TYI	N35° 58' 36.2050", W077° 42' 13.4340"	5.0 W	130	72.9	117.8	TYI	
ESV:		Bearing [True]: 297.0° to 307.0° Bearing [Mag]: 302.0° to 312.0°				Arc Distance: Out to 82.0 NM Altitude: 5900.0 to 14600.0 ft		
5	UDT ESV GSO GSO	N36° 02' 44.4948", W079° 58' 34.9356"	3.0 W	130	907.9	116.2	UDT ESV GSO	
ESV:		Bearing [True]: 43.0° to 61.0° Bearing [Mag]: 46.0° to 64.0°				Arc Distance: Out to 73.0 NM Altitude: 5300.0 to 10000.0 ft		

DME DME Assessment Results for JEANY1 path HOPRZ_HOBOS

DME Error



DME DME Assessment Results for JEANY1 path HOPRZ_HOBOS

Graphic Depiction 1

