

DME DME Assessment Results for SMUKE4 path ARIAA_WANOB

Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Lisa A-CTR Thrysoe
Project File:	C:\Users\Lisa A-CTR Thrysoe\OneDrive - Federal Aviation Administration\Desktop\DME DME Screening\KIND 20261224\STARS\SMUKE4 STAR\KIND SMUKE4 (RNAV) STAR DME 2026716.tgs
Output File:	C:\Users\Lisa A-CTR Thrysoe\OneDrive - Federal Aviation Administration\Desktop\DME DME Screening\KIND 20261224\STARS\SMUKE4 STAR\KIND [IFPA] SMUKE4 20260716_1124 EDT\ARIAA WANOB\KIND SMUKE4 RNAV STAR ARIAA WANOB 20260716_1124 EDT.pdf
Procedure Name:	SMUKE4
Software: DmeDmePlugin:	8.0.2
Date/Time:	07/16/2026 11:24 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
ARIAA	WP	N39° 39' 59.0200", W086° 21' 24.6840"	6000	VNAV	210	FLY_BY	TF
WANOB	WP	N39° 43' 53.4900", W086° 26' 24.9100"	6000	VNAV	210	FLY_OVER	TF

Flyability

Flight Type:	RNAV_STAR
Selected Airport:	KIND [IFPA]
Climb Gradient:	None assigned
Speeds:	200 Ground Speed to 11000 FT
	240 Ground Speed to 18000 FT
	260 Ground Speed to 24000 FT
	340 Ground Speed above 24000 FT
Descent During a Turn:	Allowed
VNAV Mode:	Flight Plan

DME DME Assessment Results for SMUKE4 path ARIAA_WANOB

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:	Not enabled
Disabled DMEs:	None

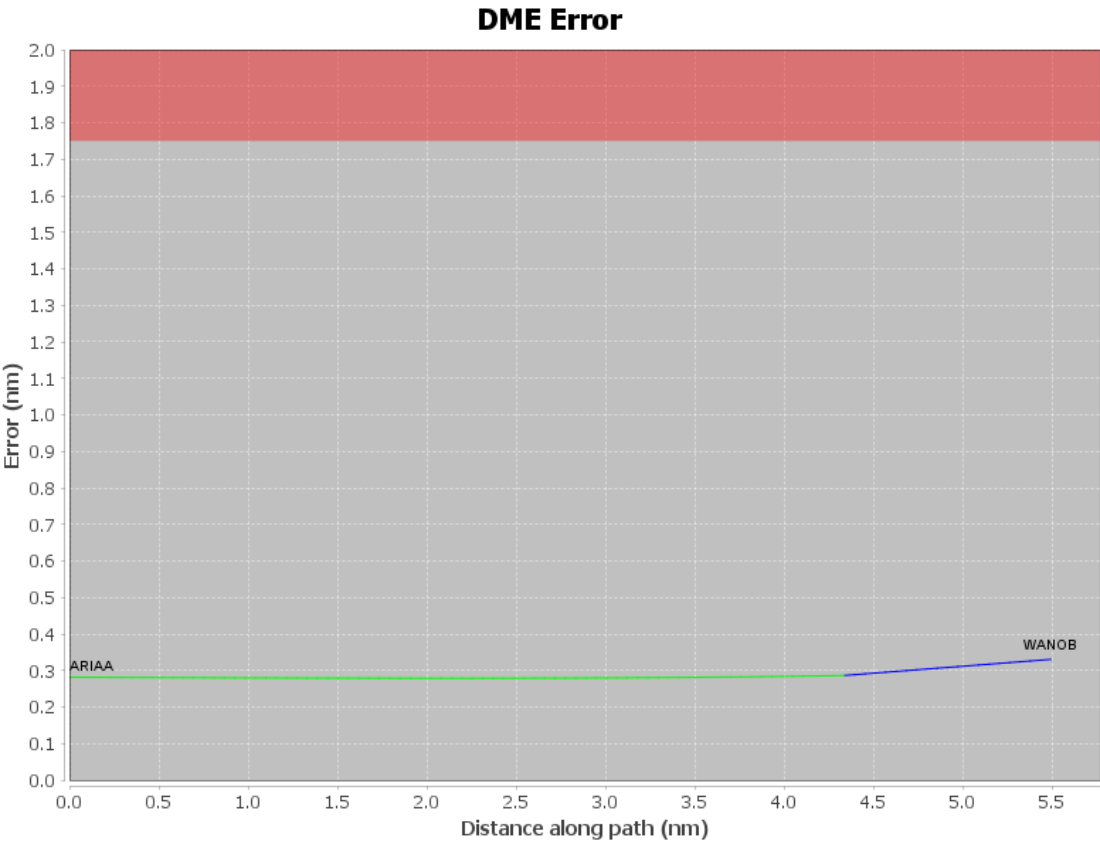
DME/DME (Continued)										
DMEs Used										
#	Name	Lat/Lon	MAGVAR	Range	Type	Source	Critical	Status	Time	Distance
1	SHB	N39° 37' 57.1525", W085° 49' 27.5388"	1.0 E	130	DH		NO	Enabled	78.9 %	78.9 %
2	VHP	N39° 48' 53.0246", W086° 22' 02.9992"	1.0 E	130	H		NO	Enabled	78.9 %	78.9 %

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	SHB	VHP				
4.4						

Inertial Drift Segments			
#	Start Location	End Location	Length [NM]
1	N39° 43' 06.6135", W086° 25' 24.8196"	N39° 43' 53.4900", W086° 26' 24.9100"	1.0984

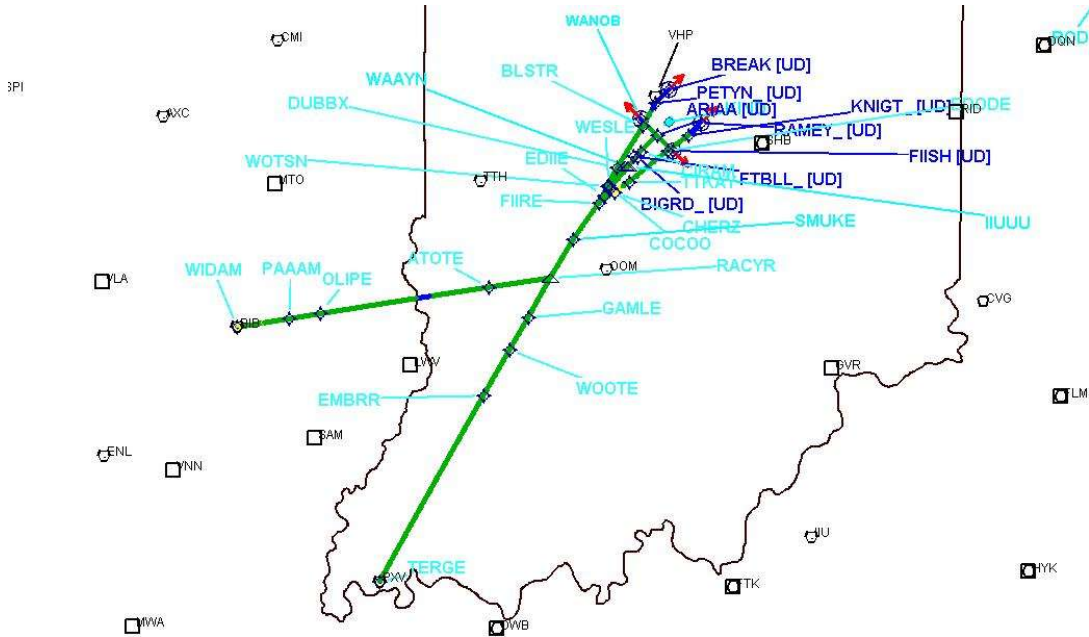
Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
ARIAA	WANOB	SHB, VHP	

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



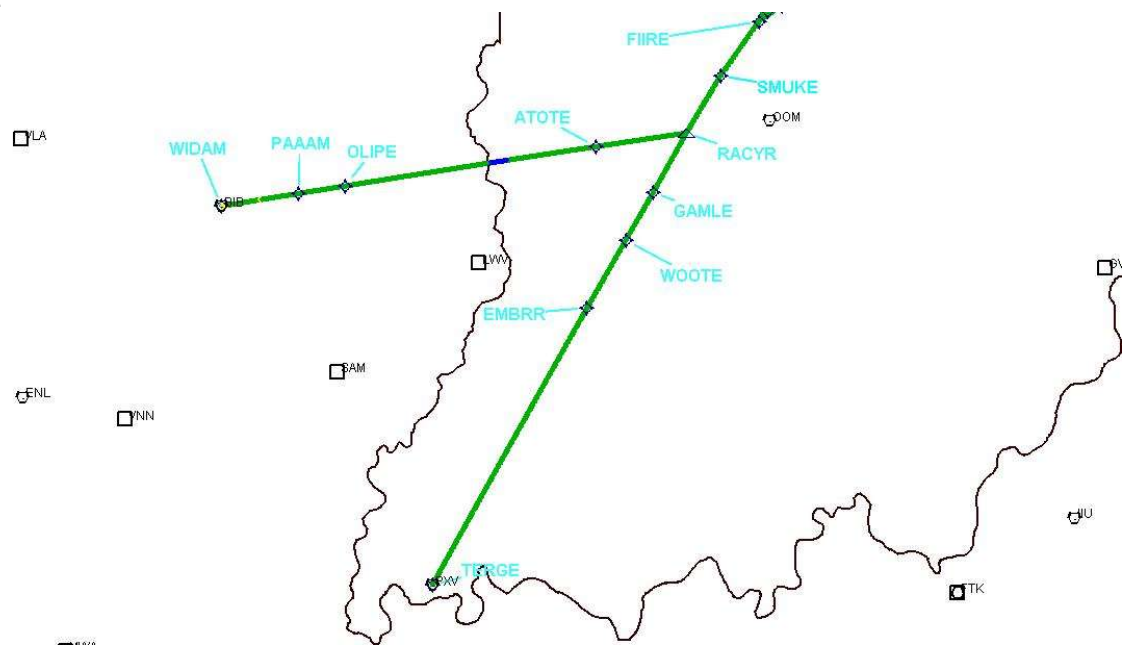
DME DME Assessment Results for SMUKE4 path ARIAA_WANOB

Graphic Depiction 1



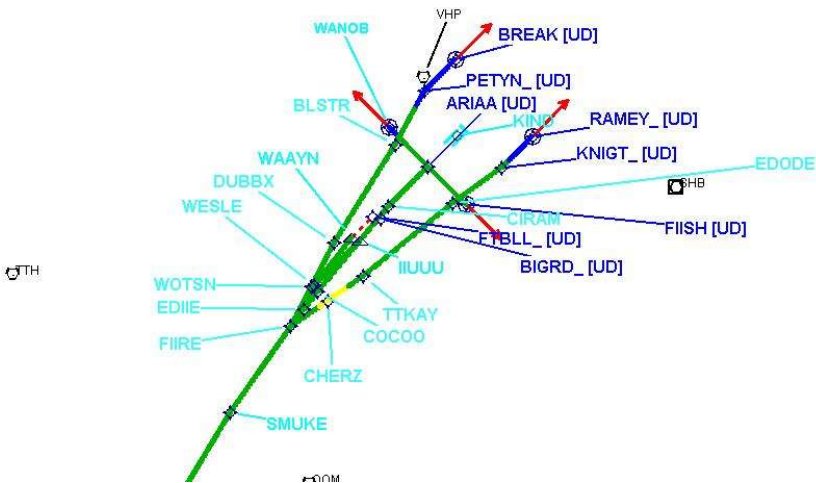
DME DME Assessment Results for SMUKE4 path ARIAA_WANOB

Graphic Depiction 2



DME DME Assessment Results for SMUKE4 path ARIAA_WANOB

Graphic Depiction 3



DME DME Assessment Results for SMUKE4 path FIIRE_FIISH

Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Lisa A-CTR Thrysoe
Project File:	C:\Users\Lisa A-CTR Thrysoe\OneDrive - Federal Aviation Administration\Desktop\DME DME Screening\KIND 20261224\STARS\SMUKE4 STAR\KIND SMUKE4 (RNAV) STAR DME 2026716.tgs
Output File:	C:\Users\Lisa A-CTR Thrysoe\OneDrive - Federal Aviation Administration\Desktop\DME DME Screening\KIND 20261224\STARS\SMUKE4 STAR\KIND [IFPA] SMUKE4 20260716_1124 EDT\FIIRE_FIISH\KIND SMUKE4 RNAV STAR FIIRE FIISH 20260716_1124 EDT.pdf
Procedure Name:	SMUKE4
Software: DmeDmePlugin:	8.0.2
Date/Time:	07/16/2026 11:24 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
FIIRE	WP	N39° 24' 09.4000", W086° 39' 05.1300"	7000	VNAV	230	FLY_BY	TF
EDIIE	WP	N39° 25' 53.5600", W086° 37' 20.3600"	7000	VNAV	250	FLY_BY	TF
COCOO	WP	N39° 27' 37.1700", W086° 35' 36.0500"	7000	VNAV	230	FLY_BY	TF
CIRAM	WP	N39° 36' 04.7700", W086° 26' 30.1900"	7000	VNAV	230	FLY_BY	TF
ARIAA	WP	N39° 39' 59.0200", W086° 21' 24.6840"	6000	VNAV	210	FLY_BY	TF
FIISH	WP	N39° 36' 14.5361", W086° 16' 31.9692"	6000	VNAV	210	FLY_OVER	TF

Flyability

Flight Type:	RNAV STAR
Selected Airport:	KIND [IFPA]
Climb Gradient:	None assigned
Speeds:	200 Ground Speed to 11000 FT
	240 Ground Speed to 18000 FT
	260 Ground Speed to 24000 FT
	340 Ground Speed above 24000 FT
Descent During a Turn:	Allowed
VNAV Mode:	Flight Plan

DME DME Assessment Results for SMUKE4 path FIIRE_FIISH

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:	Not enabled
Disabled DMEs:	None

DME/DME (Continued)										
DMEs Used										
#	Name	Lat/Lon	MAGVAR	Range	Type	Source	Critical	Status	Time	Distance
1	TTH	N39° 29' 20.1835", W087° 14' 56.4636"	2.0 E	130	H		NO	Enabled	53.6 %	55 %
2	SHB	N39° 37' 57.1525", W085° 49' 27.5388"	1.0 E	130	DH		NO	Enabled	100 %	100 %
3	OOM	N39° 08' 37.7585", W086° 36' 46.8662"	2.0 W	40	L		NO	Enabled	13.6 %	14.4 %
4	SAM	N38° 29' 06.6770", W088° 05' 08.9030"	0.0 E	130	DH		NO	Enabled	5 %	5 %
5	VHP	N39° 48' 53.0246", W086° 22' 02.9992"	1.0 E	130	H		NO	Enabled	100 %	100 %

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	SHB	OOM	TTH	VHP	SAM	
1.4	TTH	OOM	SHB	VHP		
3.8	TTH	VHP	SHB			
14.5	SHB	VHP				

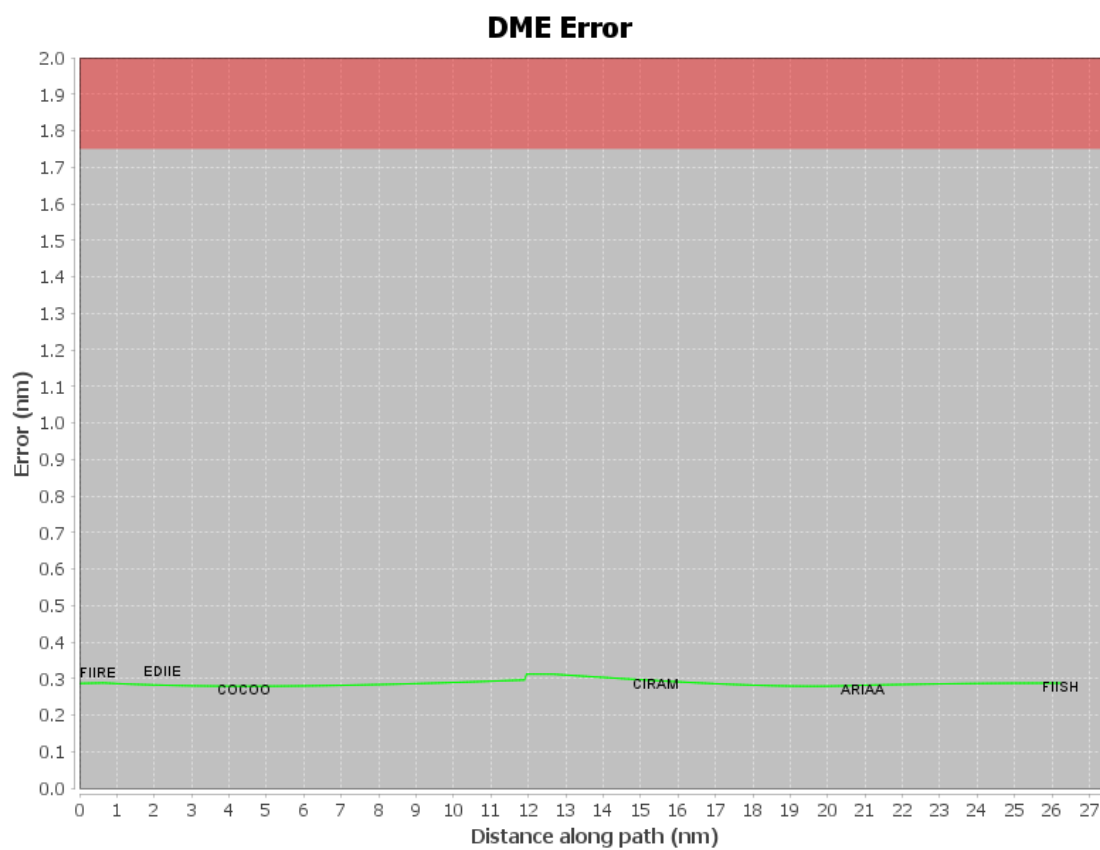
Inertial Drift Segments			
#	Start Location	End Location	Length [NM]

Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
FIIRE	EDIIE	TTH, SHB, OOM, SAM, VHP	
EDIIE	COCOO	TTH, SHB, OOM, VHP	
COCOO	CIRAM	TTH, SHB, VHP	
CIRAM	ARIAA	SHB, VHP	
ARIAA	FIISH	SHB, VHP	

DME DME Assessment Results for SMUKE4 path FIIRE_FIISH

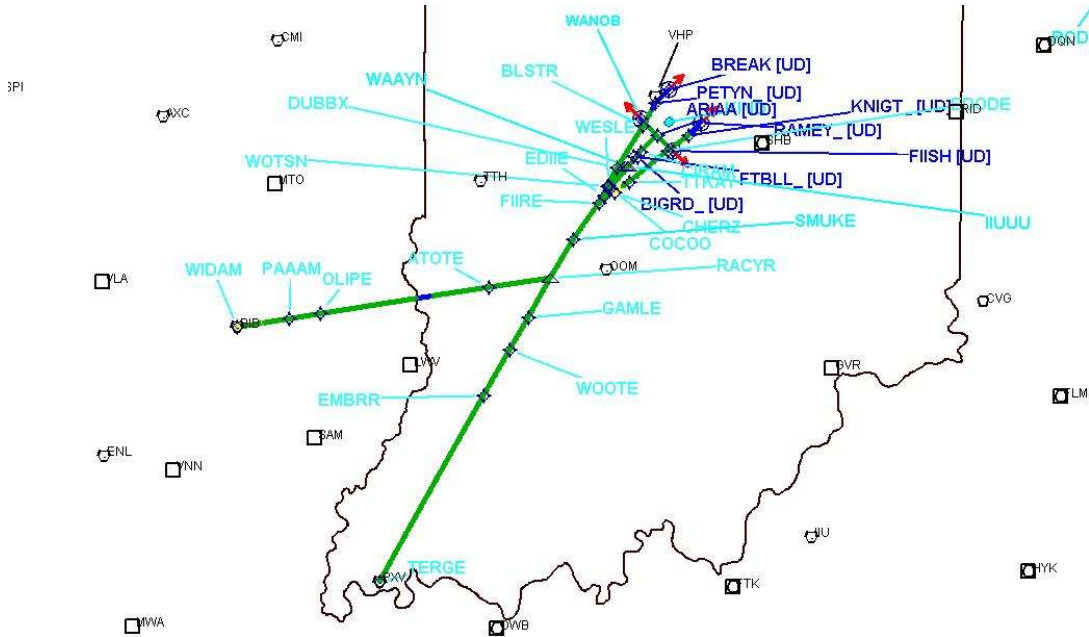
User Data Files								
#	File Name							
None								
User DMEs								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
None								

DME DME Assessment Results for SMUKE4 path FIIRE_FIISH



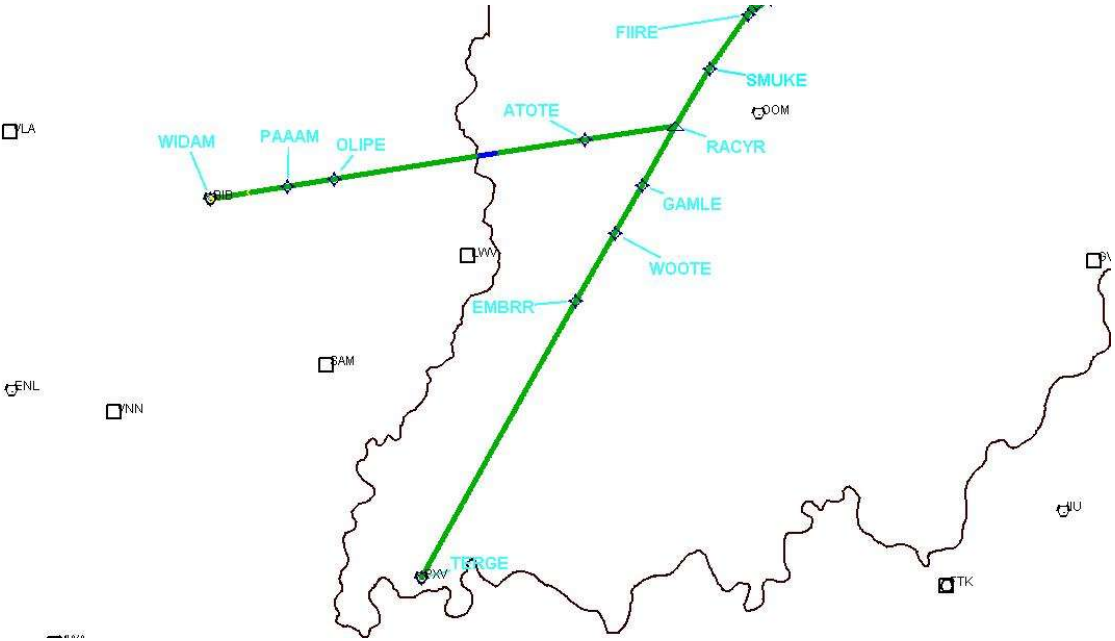
DME DME Assessment Results for SMUKE4 path FIIRE_FIISH

Graphic Depiction 1



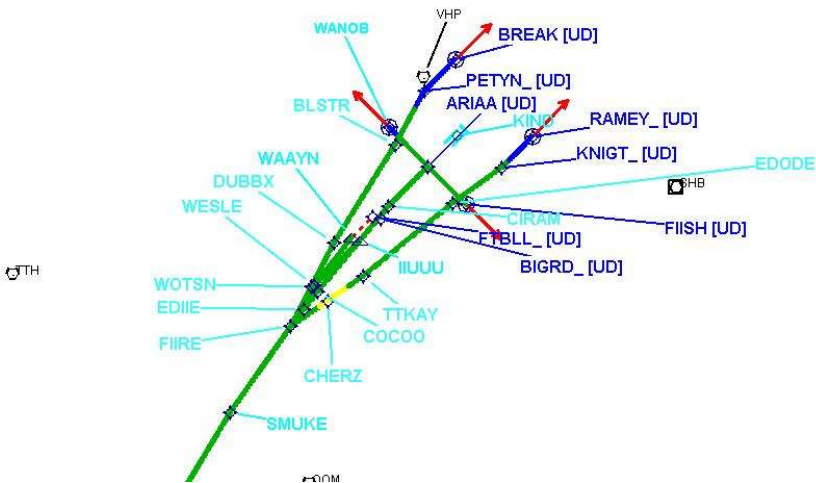
DME DME Assessment Results for SMUKE4 path FIIRE_FIISH

Graphic Depiction 2



DME DME Assessment Results for SMUKE4 path FIIRE_FIISH

Graphic Depiction 3



DME DME Assessment Results for SMUKE4 path FIIRE_IUUU

Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Lisa A-CTR Thrysoe
Project File:	C:\Users\Lisa A-CTR Thrysoe\OneDrive - Federal Aviation Administration\Desktop\DME DME Screening\KIND 20261224\STARS\SMUKE4 STAR\KIND SMUKE4 (RNAV) STAR DME 2026716.tgs
Output File:	C:\Users\Lisa A-CTR Thrysoe\OneDrive - Federal Aviation Administration\Desktop\DME DME Screening\KIND 20261224\STARS\SMUKE4 STAR\KIND [IFPA] SMUKE4 20260716_1124 EDT\FIIRE_IUUU\KIND SMUKE4 RNAV STAR FIIRE IUUU 20260716_1124 EDT.pdf
Procedure Name:	SMUKE4
Software: DmeDmePlugin:	8.0.2
Date/Time:	07/16/2026 11:24 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
FIIRE	WP	N39° 24' 09.4000", W086° 39' 05.1300"	7000	VNAV	230	FLY_BY	TF
WESLE	WP	N39° 28' 15.2000", W086° 36' 00.3700"	6000	VNAV	230	FLY_BY	TF
IUUU	WP	N39° 32' 41.7900", W086° 30' 06.0600"	5000	VNAV	210	FLY_BY	TF

Flyability

Flight Type:	RNAV_STAR
Selected Airport:	KIND [IFPA]
Climb Gradient:	None assigned
Speeds:	200 Ground Speed to 11000 FT
	240 Ground Speed to 18000 FT
	260 Ground Speed to 24000 FT
	340 Ground Speed above 24000 FT
Descent During a Turn:	Allowed
VNAV Mode:	Flight Plan

DME DME Assessment Results for SMUKE4 path FIIRE_IUUU

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:	Not enabled
Disabled DMEs:	None

DME/DME (Continued)										
DMEs Used										
#	Name	Lat/Lon	MAGVAR	Range	Type	Source	Critical	Status	Time	Distance
1	TTH	N39° 29' 20.1835", W087° 14' 56.4636"	2.0 E	130	H		NO	Enabled	100 %	100 %
2	SHB	N39° 37' 57.1525", W085° 49' 27.5388"	1.0 E	130	DH		NO	Enabled	100 %	100 %
3	OOM	N39° 08' 37.7585", W086° 36' 46.8662"	2.0 W	40	L		NO	Enabled	50.1 %	50.1 %
4	SAM	N38° 29' 06.6770", W088° 05' 08.9030"	0.0 E	130	DH		NO	Enabled	1.1 %	1.1 %
5	VHP	N39° 48' 53.0246", W086° 22' 02.9992"	1.0 E	130	H		NO	Enabled	100 %	100 %

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	SHB	OOM	TTH	VHP	SAM	
0.2	SHB	OOM	TTH	VHP		
5.6	TTH	VHP	SHB			

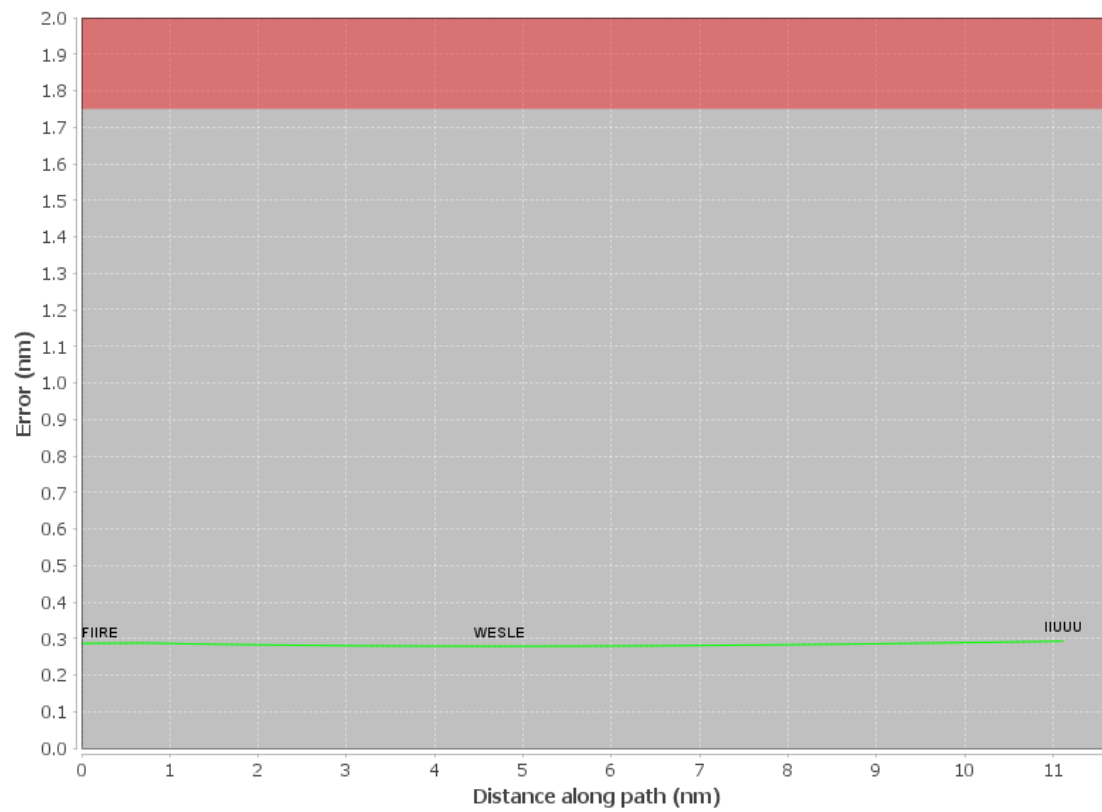
Inertial Drift Segments			
#	Start Location	End Location	Length [NM]

Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
FIIRE	WESLE	TTH, SHB, OOM, SAM, VHP	
WESLE	IUUU	TTH, SHB, OOM, VHP	

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

DME DME Assessment Results for SMUKE4 path FIIRE_IIUUU

DME Error

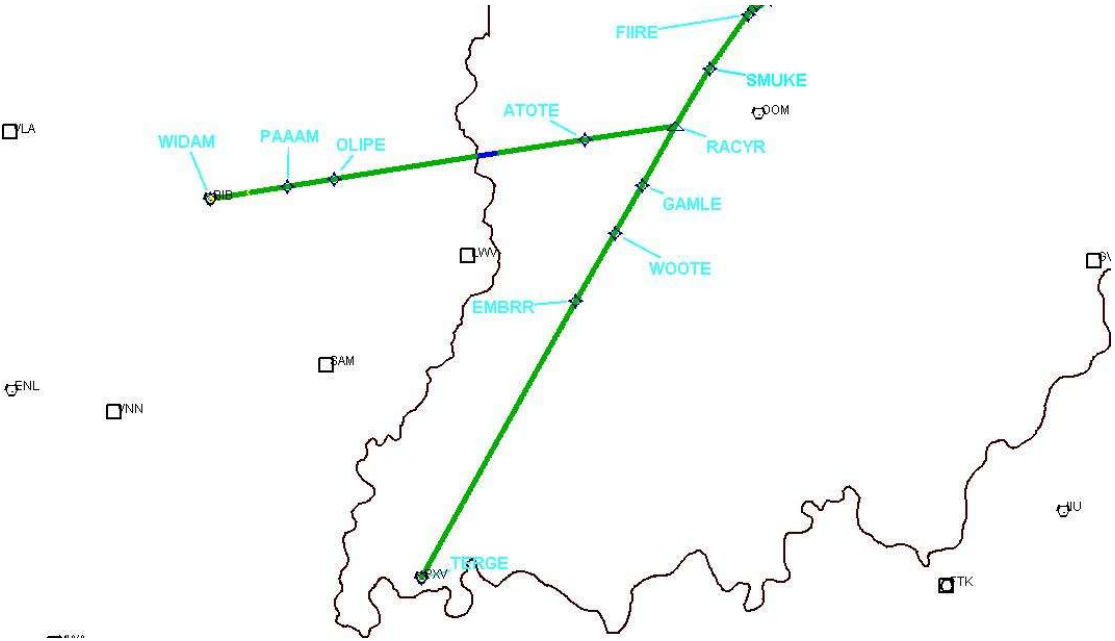


Graphic Depiction 1



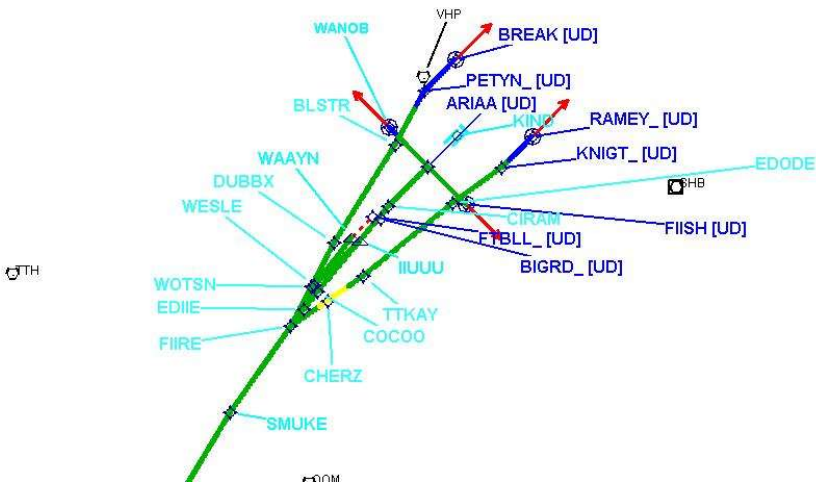
DME DME Assessment Results for SMUKE4 path FIIRE_IIUUU

Graphic Depiction 2



DME DME Assessment Results for SMUKE4 path FIIRE_IUUUU

Graphic Depiction 3



DME DME Assessment Results for SMUKE4 path FIIRE_RAMEY_

Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Lisa A-CTR Thrysoe
Project File:	C:\Users\Lisa A-CTR Thrysoe\OneDrive - Federal Aviation Administration\Desktop\DME DME Screening\KIND 20261224\STARS\SMUKE4 STAR\KIND SMUKE4 (RNAV) STAR DME 2026716.tgs
Output File:	C:\Users\Lisa A-CTR Thrysoe\OneDrive - Federal Aviation Administration\Desktop\DME DME Screening\KIND 20261224\STARS\SMUKE4 STAR\KIND [IFPA] SMUKE4 20260716_1124 EDT\FIIRE_RAMEY_KIND SMUKE4 RNAV STAR FIIRE_RAMEY_20260716_1124_EDT.pdf
Procedure Name:	SMUKE4
Software: DmeDmePlugin:	8.0.2
Date/Time:	07/16/2026 11:24 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
FIIRE	WP	N39° 24' 09.4000", W086° 39' 05.1300"	7000	VNAV	230	FLY_BY	TF
CHERZ	WP	N39° 26' 42.8100", W086° 34' 18.2800"	7000	VNAV	250	FLY_BY	TF
TTKAY	WP	N39° 29' 08.4800", W086° 29' 45.2400"	7000	VNAV	250	FLY_BY	TF
EDODE	WP	N39° 36' 22.3800", W086° 18' 14.3000"	7000	VNAV	230	FLY_BY	TF
KNIGT_	WP	N39° 39' 53.7626", W086° 11' 52.4170"	6000	VNAV	210	FLY_BY	TF
RAMEY_	WP	N39° 42' 59.6540", W086° 07' 54.7654"	6000	VNAV	210	FLY_OVER	TF

Flyability

Flight Type:	RNAV_STAR
Selected Airport:	KIND [IFPA]
Climb Gradient:	None assigned
Speeds:	200 Ground Speed to 11000 FT
	240 Ground Speed to 18000 FT
	260 Ground Speed to 24000 FT
	340 Ground Speed above 24000 FT
Descent During a Turn:	Allowed
VNAV Mode:	Flight Plan

DME DME Assessment Results for SMUKE4 path FIIRE_RAMEY_

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:	Not enabled
Disabled DMEs:	None

DME/DME (Continued)										
DMEs Used										
#	Name	Lat/Lon	MAGVAR	Range	Type	Source	Critical	Status	Time	Distance
1	TTH	N39° 29' 20.1835", W087° 14' 56.4636"	2.0 E	130	H		NO	Enabled	38.5 %	39.5 %
2	SHB	N39° 37' 57.1525", W085° 49' 27.5388"	1.0 E	130	DH		NO	Enabled	87 %	88.4 %
3	OOM	N39° 08' 37.7585", W086° 36' 46.8662"	2.0 W	40	L		NO	Enabled	22.7 %	22.8 %
4	SAM	N38° 29' 06.6770", W088° 05' 08.9030"	0.0 E	130	DH		NO	Enabled	6.4 %	6.2 %
5	VHP	N39° 48' 53.0246", W086° 22' 02.9992"	1.0 E	130	H		NO	Enabled	87 %	88.4 %

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	SHB	OOM	TTH	VHP	SAM	
2.0	TTH	OOM	VHP	SHB		
7.1	TTH	VHP	SHB			
12.2	SHB	VHP				
27.2						

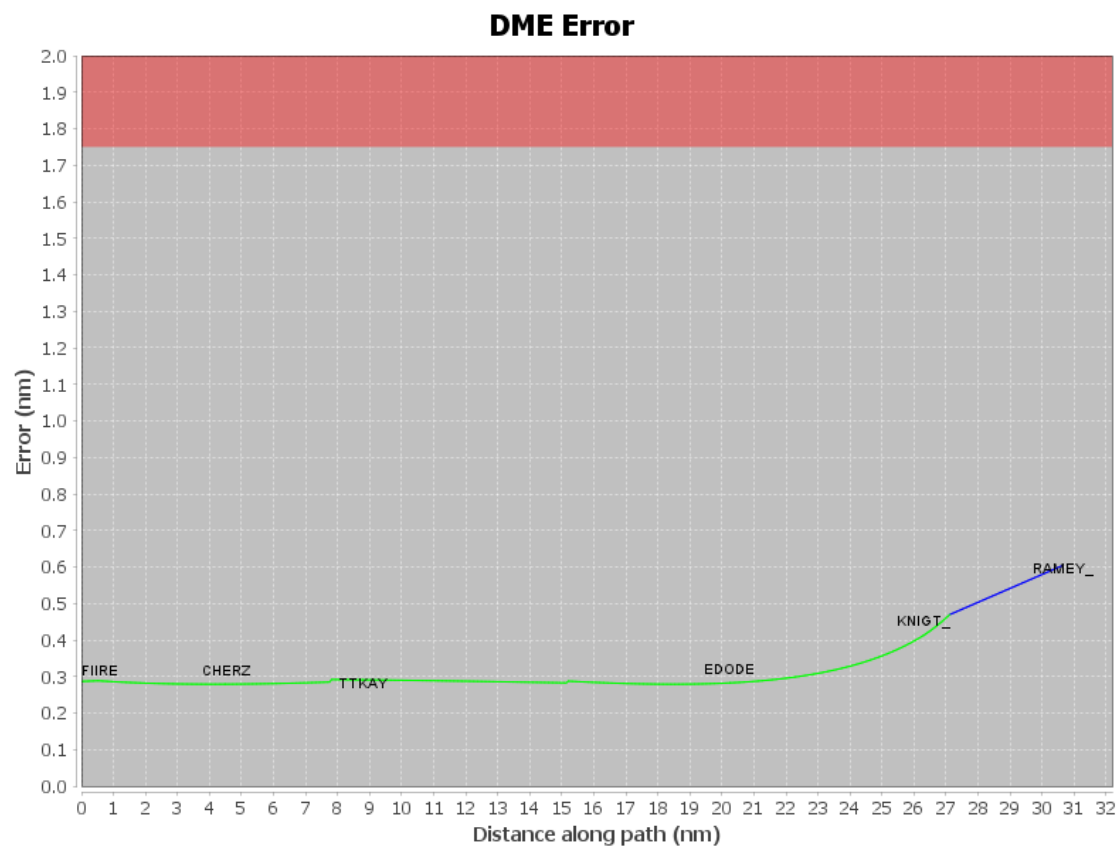
Inertial Drift Segments			
#	Start Location	End Location	Length [NM]
1	N39° 40' 30.9519", W086° 11' 04.9150"	N39° 42' 59.6540", W086° 07' 54.7654"	3.4808

Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
FIIRE	CHERZ	TTH, SHB, OOM, SAM, VHP	
CHERZ	TTKAY	TTH, SHB, OOM, VHP	
TTKAY	EDODE	TTH, SHB, VHP	
EDODE	KNIGT	SHB, VHP	
KNIGT	RAMEY	SHB, VHP	

DME DME Assessment Results for SMUKE4 path FIIRE_RAMEY_

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

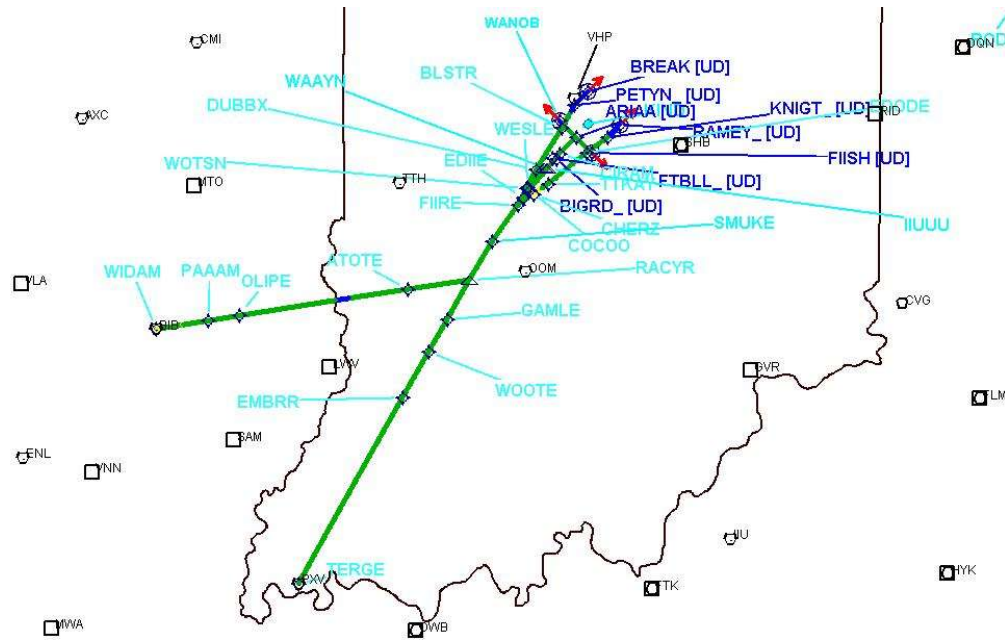
DME DME Assessment Results for SMUKE4 path FIIRE_RAMEY_



Graphic Depiction 1

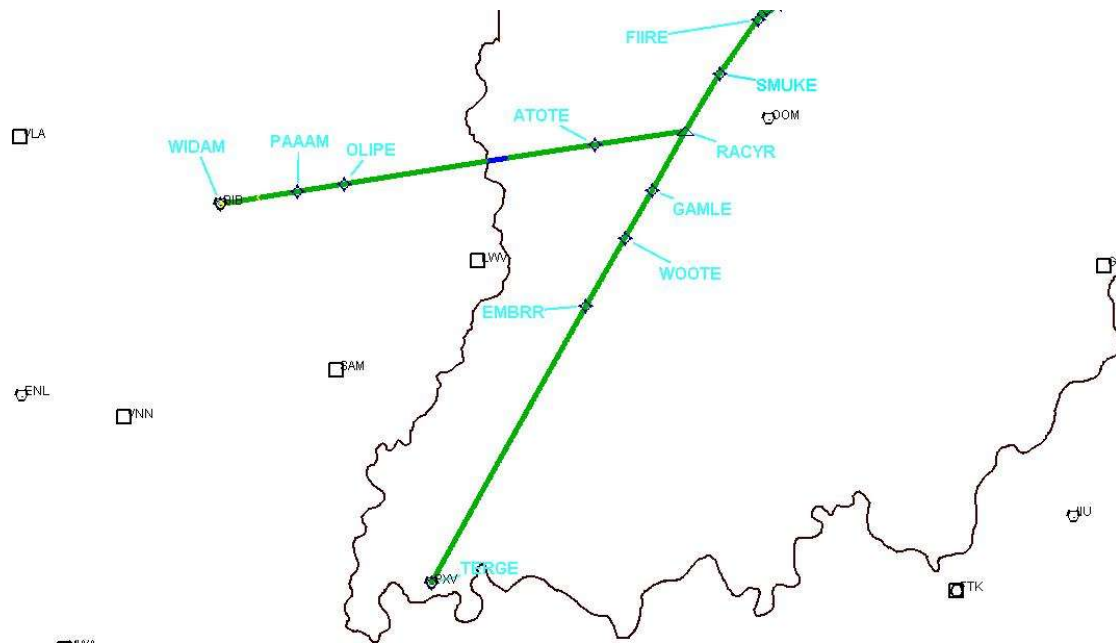
DME DME Assessment Results for SMUKE4 path FIIRE_RAMEY_

3PI

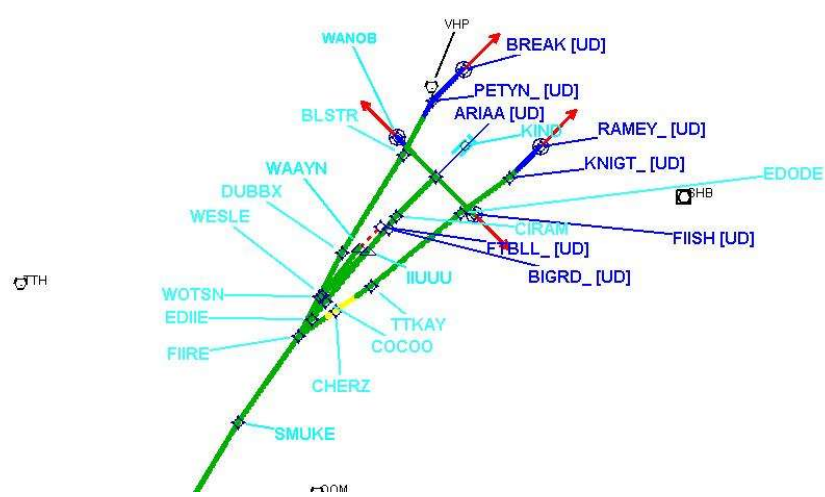


DME DME Assessment Results for SMUKE4 path FIIRE_RAMEY_

Graphic Depiction 2



DME DME Assessment Results for SMUKE4 path FIIRE_RAMEY_



DME DME Assessment Results for SMUKE4 path TERGE_BREAK

Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Lisa A-CTR Thrysoe
Project File:	C:\Users\Lisa A-CTR Thrysoe\OneDrive - Federal Aviation Administration\Desktop\DME DME Screening\KIND 20261224\STARS\SMUKE4 STAR\KIND SMUKE4 (RNAV) STAR DME 2026716.tgs
Output File:	C:\Users\Lisa A-CTR Thrysoe\OneDrive - Federal Aviation Administration\Desktop\DME DME Screening\KIND 20261224\STARS\SMUKE4 STAR\KIND [IFPA] SMUKE4 20260716_1124 EDT\TERGE_BREAK\KIND SMUKE4 RNAV STAR TERGE BREAK 20260716_1124_EDT.pdf
Procedure Name:	SMUKE4
Software: DmeDmePlugin:	8.0.2
Date/Time:	07/16/2026 11:24 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
TERGE	WP	N37° 55' 42.4700", W087° 45' 44.1900"	13000	VNAV	280	FLY_BY	TF
EMBRR	WP	N38° 39' 08.2800", W087° 14' 11.3900"	13000	VNAV	280	FLY_BY	TF
WOOTE	WP	N38° 49' 52.1800", W087° 06' 12.0500"	10000	VNAV	280	FLY_BY	TF
GAMLE	WP	N38° 57' 19.1500", W087° 00' 37.9100"	10000	VNAV	280	FLY_BY	TF
RACYR	WP	N39° 06' 42.5700", W086° 53' 50.6400"	7000	VNAV	280	FLY_BY	TF
SMUKE	WP	N39° 15' 36.9000", W086° 46' 54.9800"	7000	VNAV	270	FLY_BY	TF
FIIRE	WP	N39° 24' 09.4000", W086° 39' 05.1300"	7000	VNAV	230	FLY_BY	TF
WOTSN	WP	N39° 28' 09.0500", W086° 36' 24.1000"	7000	VNAV	250	FLY_BY	TF
DUBBX	WP	N39° 32' 25.0100", W086° 33' 31.7200"	7000	VNAV	250	FLY_BY	TF
BLSTR	WP	N39° 42' 08.8800", W086° 25' 39.2600"	7000	VNAV	230	FLY_BY	TF
PETYN_	WP	N39° 47' 29.8600", W086° 21' 51.4200"	6000	VNAV	210	FLY_BY	TF
BREAK	WP	N39° 50' 35.0681", W086° 17' 53.1894"	6000	VNAV	210	FLY_OVER	TF

DME DME Assessment Results for SMUKE4 path TERGE_BREAK

Flyability	
Flight Type:	RNAV_STAR
Selected Airport:	KIND [IFPA]
Climb Gradient:	None assigned
Speeds:	200 Ground Speed to 11000 FT
	240 Ground Speed to 18000 FT
	260 Ground Speed to 24000 FT
	340 Ground Speed above 24000 FT
Descent During a Turn:	Allowed
VNAV Mode:	Flight Plan

DME/DME	
RNP:	RNP 2
Flight Mode:	Manual
Line of Sight (DTED Level 0 Max):	Evaluated
Inertial Drift:	Enabled
Initial Drift:	0.558 NM
INS Drift Rate:	8.0 NM/Hour
Range Mode:	OSV
RNP Edges:	Evaluated
Min DME Range:	3.0 NM
DME Types:	DME, VOR-DME, VORTAC, TACAN
DME Include Angles:	30 to 150
Critical DMEs:	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	BWG	N36° 57' 52.0000", W086° 25' 24.0000"	0.0 E	130	DH		NO	Enabled	38.9 %	40.7 %
2	TTH	N39° 29' 20.1835", W087° 14' 56.4636"	2.0 E	130	H		NO	Enabled	37.8 %	37.6 %
3	LWV	N38° 46' 11.5255", W087° 36' 13.7792"	-0.0 E	25	T		NO	Enabled	5.3 %	5.5 %
4	OWB	N37° 44' 36.7983", W087° 09' 57.3722"	4.0 W	40	L		NO	Enabled	18.1 %	18.9 %
5	EWO	N37° 37' 54.5210", W085° 40' 33.1590"	1.0 E	130	DH		NO	Enabled	51.1 %	53.5 %
6	SHB	N39° 37' 57.1525", W085° 49' 27.5388"	1.0 E	130	DH		NO	Enabled	85.8 %	86.5 %
7	OOM	N39° 08' 37.7585", W086° 36' 46.8662"	2.0 W	40	L		NO	Enabled	28.6 %	28.8 %
8	SAM	N38° 29' 06.6770", W088° 05' 08.9030"	0.0 E	130	DH		NO	Enabled	74.2 %	77.2 %
9	PXV	N37° 55' 41.9514", W087° 45' 44.5675"	3.0 E	130	H		NO	Enabled	26.2 %	27.4 %
10	VHP	N39° 48' 53.0246", W086° 22' 02.9992"	1.0 E	130	H		NO	Enabled	29.3 %	27.5 %

DME DME Assessment Results for SMUKE4 path TERGE_BREAK

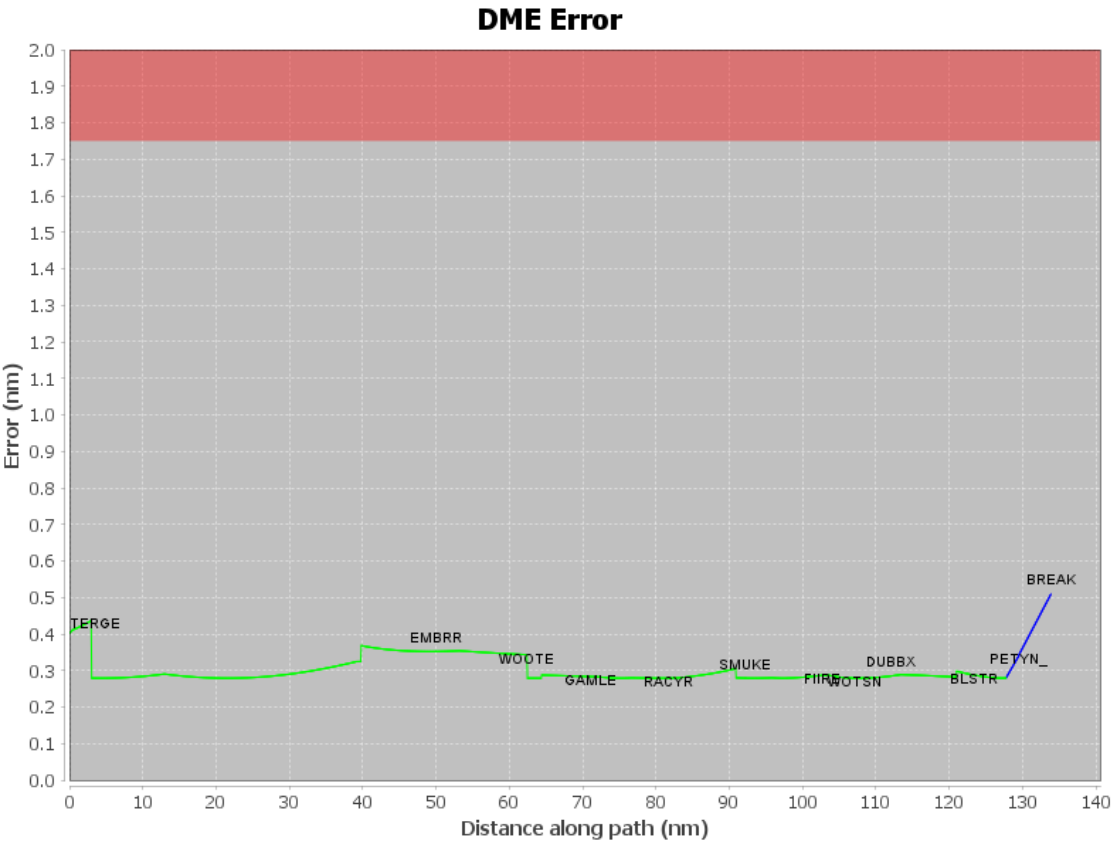
Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	SAM	OWB	EWO	BWG		
3.0	PXV	OWB	SAM	EWO	BWG	
25.4	SAM	PXV	EWO	BWG	SHB	
39.8	BWG	SAM	SHB	EWO		
51.2	BWG	SAM	SHB	EWO	LWV	
54.6	SHB	EWO	SAM	LWV		
58.6	SHB	EWO	SAM			
66.4	SAM	TTH	SHB	EWO		
69.5	SAM	TTH	OOM	SHB	EWO	
71.6	SAM	TTH	OOM	SHB		
90.9	VHP	OOM	TTH	SAM	SHB	
103.4	SHB	OOM	TTH	VHP		
108.1	TTH	VHP	SHB			
116.8	SHB	VHP				
127.8						

Inertial Drift Segments			
#	Start Location	End Location	Length [NM]
1	N39° 45' 59.5974", W086° 22' 55.5594"	N39° 50' 35.0681", W086° 17' 53.1894"	6.0586

Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
TERGE	EMBRR	BWG, OWB, EWO, SHB, SAM, PXV	
EMBRR	WOOTE	BWG, LWV, SHB, EWO, SAM	
WOOTE	GAMLE	TTH, SHB, EWO, OOM, SAM	
GAMLE	RACYR	TTH, SHB, EWO, OOM, SAM	
RACYR	SMUKE	TTH, SHB, OOM, SAM, VHP	
SMUKE	FIIRE	TTH, SHB, OOM, SAM, VHP	
FIIRE	WOTSN	TTH, SHB, OOM, SAM, VHP	
WOTSN	DUBBX	TTH, SHB, OOM, VHP	
DUBBX	BLSTR	TTH, SHB, VHP	
BLSTR	PETYN_	SHB, VHP	
PETYN_	BREAK		

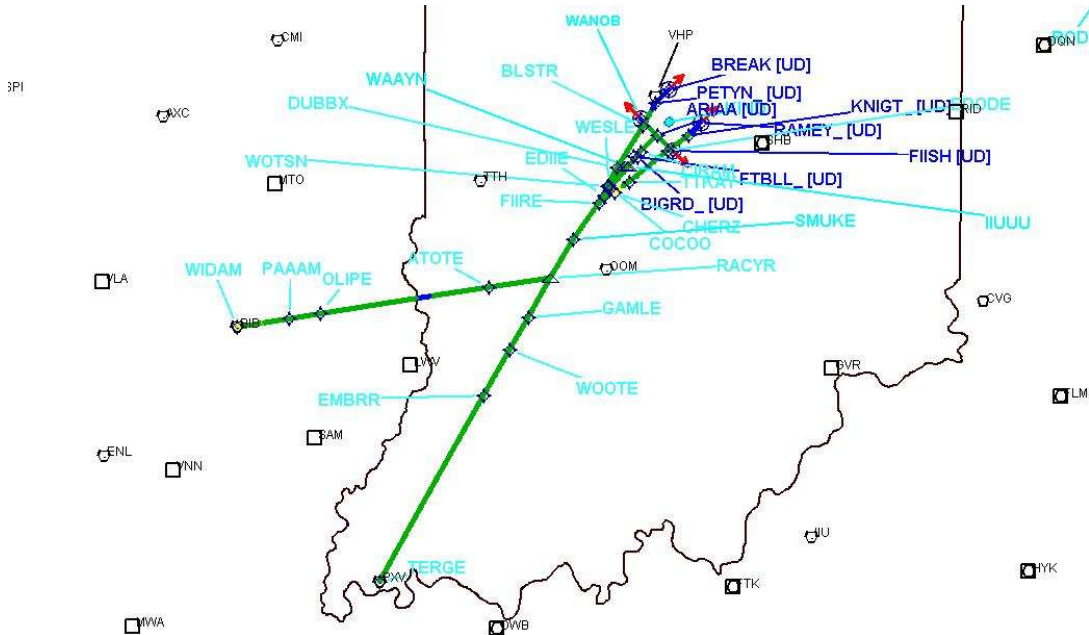
User Data Files								
#	File Name							
None								
User DMEs								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
None								

DME DME Assessment Results for SMUKE4 path TERGE_BREAK



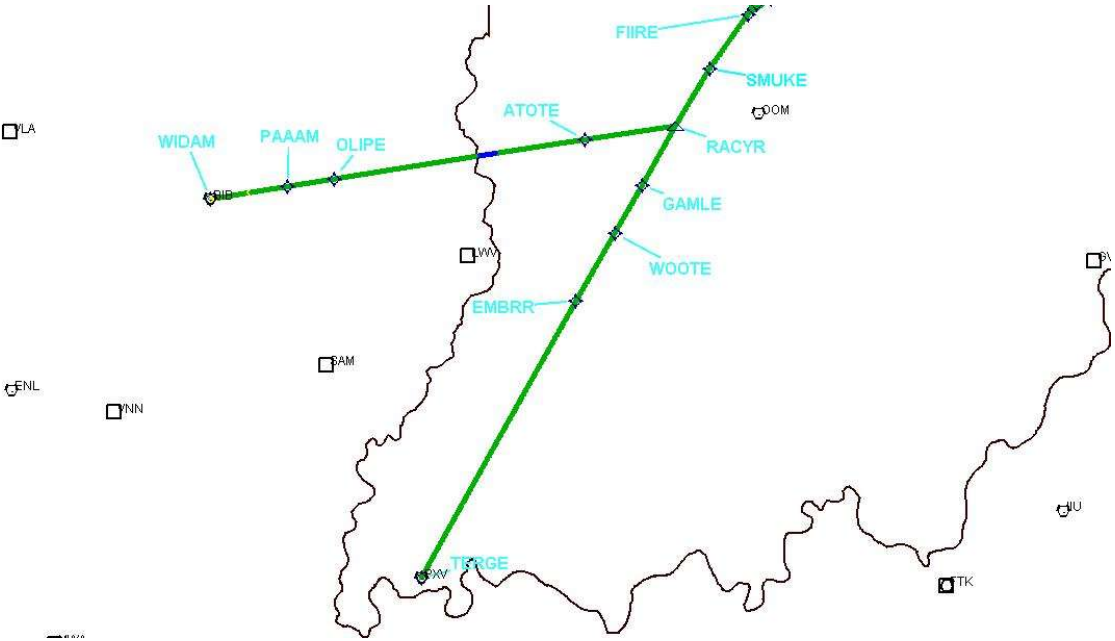
DME DME Assessment Results for SMUKE4 path TERGE_BREAK

Graphic Depiction 1



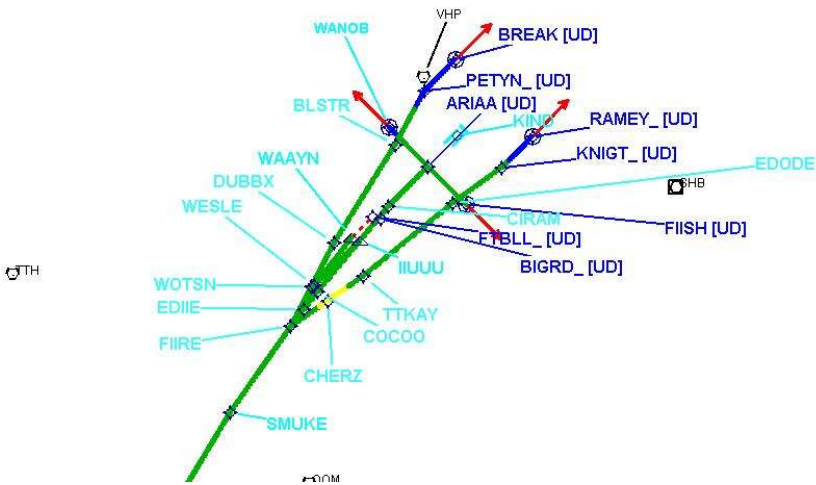
DME DME Assessment Results for SMUKE4 path TERGE_BREAK

Graphic Depiction 2



DME DME Assessment Results for SMUKE4 path TERGE_BREAK

Graphic Depiction 3



DME DME Assessment Results for SMUKE4 path WESLE_WAAYN

Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Lisa A-CTR Thrysoe
Project File:	C:\Users\Lisa A-CTR Thrysoe\OneDrive - Federal Aviation Administration\Desktop\DME DME Screening\KIND 20261224\STARS\SMUKE4 STAR\KIND SMUKE4 (RNAV) STAR DME 2026716.tgs
Output File:	C:\Users\Lisa A-CTR Thrysoe\OneDrive - Federal Aviation Administration\Desktop\DME DME Screening\KIND 20261224\STARS\SMUKE4 STAR\KIND [IFPA] SMUKE4 20260716_1124 EDT\WESLE_WAAYN\KIND SMUKE4 RNAV STAR WESLE WAAYN 20260716_1124 EDT.pdf
Procedure Name:	SMUKE4
Software: DmeDmePlugin:	8.0.2
Date/Time:	07/16/2026 11:24 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
WESLE	WP	N39° 28' 15.2000", W086° 36' 00.3700"	6000	VNAV	230	FLY_BY	TF
WAAYN	WP	N39° 32' 57.0000", W086° 31' 13.6700"	5000	VNAV	210	FLY_BY	TF

Flyability

Flight Type:	RNAV_STAR
Selected Airport:	KIND [IFPA]
Climb Gradient:	None assigned
Speeds:	200 Ground Speed to 11000 FT
	240 Ground Speed to 18000 FT
	260 Ground Speed to 24000 FT
	340 Ground Speed above 24000 FT
Descent During a Turn:	Allowed
VNAV Mode:	Flight Plan

DME DME Assessment Results for SMUKE4 path WESLE_WAAYN

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:	Not enabled
Disabled DMEs:	None

DME/DME (Continued)										
DMEs Used										
#	Name	Lat/Lon	MAGVAR	Range	Type	Source	Critical	Status	Time	Distance
1	TTH	N39° 29' 20.1835", W087° 14' 56.4636"	2.0 E	130	H		NO	Enabled	100 %	100 %
2	SHB	N39° 37' 57.1525", W085° 49' 27.5388"	1.0 E	130	DH		NO	Enabled	100 %	100 %
3	OOM	N39° 08' 37.7585", W086° 36' 46.8662"	2.0 W	40	L		NO	Enabled	7.4 %	7.4 %
4	VHP	N39° 48' 53.0246", W086° 22' 02.9992"	1.0 E	130	H		NO	Enabled	100 %	100 %

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	TTH	OOM	SHB	VHP		
0.5	TTH	VHP	SHB			

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

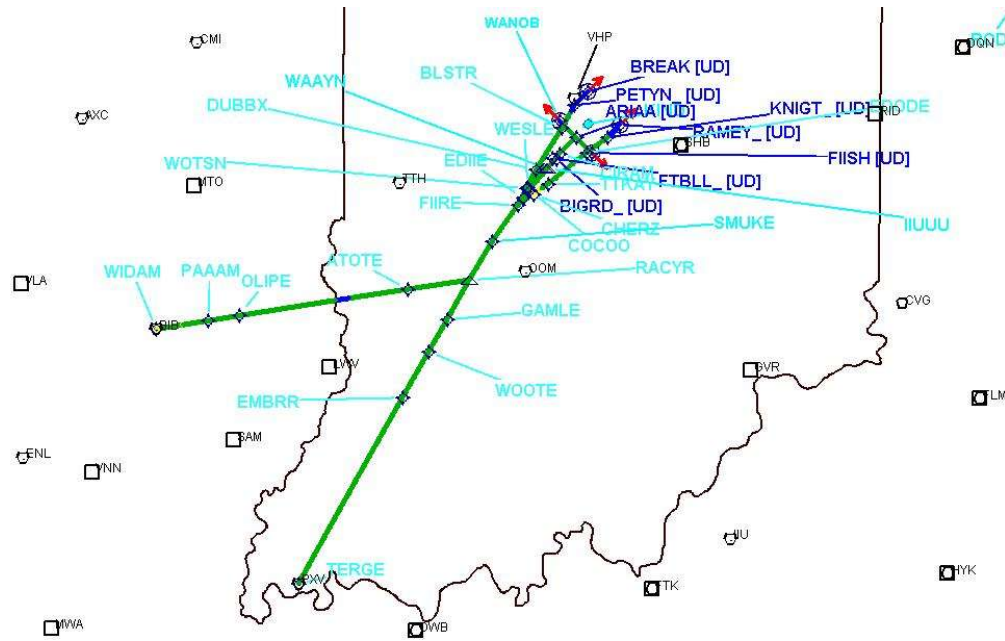
Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
WESLE	WAAYN	TTH, SHB, OOM, VHP	

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

DME DME Assessment Results for SMUKE4 path WESLE_WAAYN

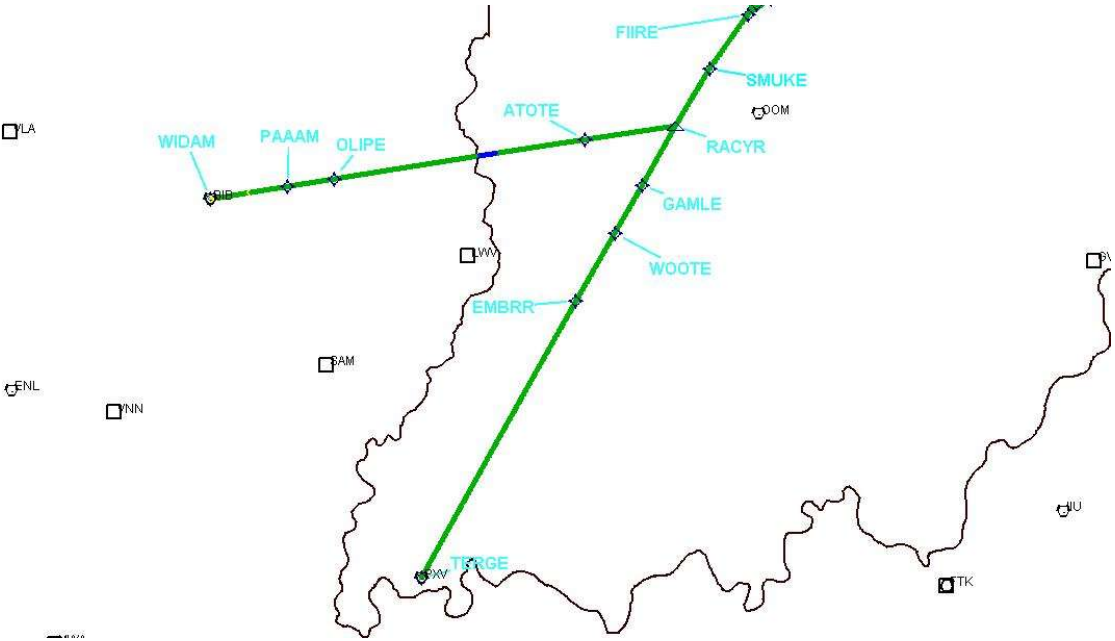


Graphic Depiction 1



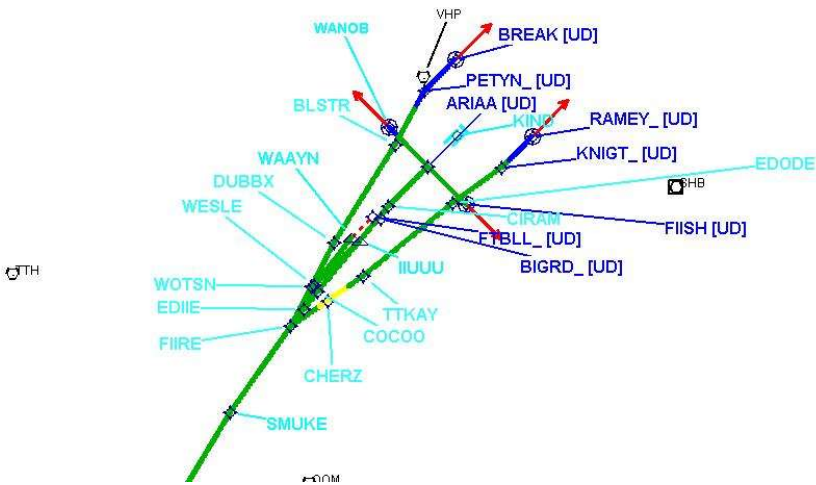
DME DME Assessment Results for SMUKE4 path WESLE_WAAYN

Graphic Depiction 2



DME DME Assessment Results for SMUKE4 path WESLE_WAAYN

Graphic Depiction 3



DME DME Assessment Results for SMUKE4 path WIDAM_RACYR

Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Lisa A-CTR Thrysoe
Project File:	C:\Users\Lisa A-CTR Thrysoe\OneDrive - Federal Aviation Administration\Desktop\DME DME Screening\KIND 20261224\STARS\SMUKE4 STAR\KIND SMUKE4 (RNAV) STAR DME 2026716.tgs
Output File:	C:\Users\Lisa A-CTR Thrysoe\OneDrive - Federal Aviation Administration\Desktop\DME DME Screening\KIND 20261224\STARS\SMUKE4 STAR\KIND [IFPA] SMUKE4 20260716_1124 EDT\WIDAM_RACYR\KIND SMUKE4 RNAV STAR WIDAM RACYR 20260716_1124 EDT.pdf
Procedure Name:	SMUKE4
Software: DmeDmePlugin:	8.0.2
Date/Time:	07/16/2026 11:24 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
WIDAM	WP	N38° 55' 13.3400", W088° 28' 53.7500"	7000	VNAV	280	FLY_BY	TF
PAAAM	WP	N38° 57' 12.0900", W088° 13' 10.1600"	7000	VNAV	280	FLY_BY	TF
OLIZE	WP	N38° 58' 21.9800", W088° 03' 43.0900"	7000	VNAV	280	FLY_BY	TF
ATOTE	WP	N39° 04' 34.2600", W087° 12' 23.1000"	7000	VNAV	280	FLY_BY	TF
RACYR	WP	N39° 06' 42.5700", W086° 53' 50.6400"	7000	VNAV	280	FLY_BY	TF

Flyability

Flight Type:	RNAV_STAR
Selected Airport:	KIND [IFPA]
Climb Gradient:	None assigned
Speeds:	200 Ground Speed to 11000 FT
	240 Ground Speed to 18000 FT
	260 Ground Speed to 24000 FT
	340 Ground Speed above 24000 FT
Descent During a Turn:	Allowed
VNAV Mode:	Flight Plan

DME DME Assessment Results for SMUKE4 path WIDAM_RACYR

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:	Not enabled
Disabled DMEs:	None

DME/DME (Continued)										
DMEs Used										
#	Name	Lat/Lon	MAGVAR	Range	Type	Source	Critical	Status	Time	Distance
1	VNN	N38° 21' 43.0336", W088° 48' 26.4131"	0.0 E	40	L		NO	Enabled	1.1 %	1.1 %
2	MTO	N39° 28' 40.4100", W088° 17' 10.3500"	0.0 E	40	L		NO	Enabled	43.6 %	43.6 %
3	CSX	N38° 45' 09.8799", W090° 21' 39.4546"	0.0 E	130	DL		NO	Enabled	0.5 %	0.5 %
4	TTH	N39° 29' 20.1835", W087° 14' 56.4636"	2.0 E	130	H		NO	Enabled	46.5 %	46.5 %
5	VLA	N39° 05' 37.5900", W089° 09' 44.5200"	0.0 E	40	L		NO	Enabled	7.3 %	7.3 %
6	BIB	N38° 55' 13.2432", W088° 28' 54.4967"	3.0 E	40	L		NO	Enabled	46.9 %	46.9 %
7	LWV	N38° 46' 11.5255", W087° 36' 13.7792"	-0.0 E	25	T		NO	Enabled	30 %	30 %
8	SHB	N39° 37' 57.1525", W085° 49' 27.5388"	1.0 E	130	DH		NO	Enabled	38.2 %	38.2 %
9	OOM	N39° 08' 37.7585", W086° 36' 46.8662"	2.0 W	40	L		NO	Enabled	15.1 %	15.1 %
10	SAM	N38° 29' 06.6770", W088° 05' 08.9030"	0.0 E	130	DH		NO	Enabled	84.9 %	84.9 %

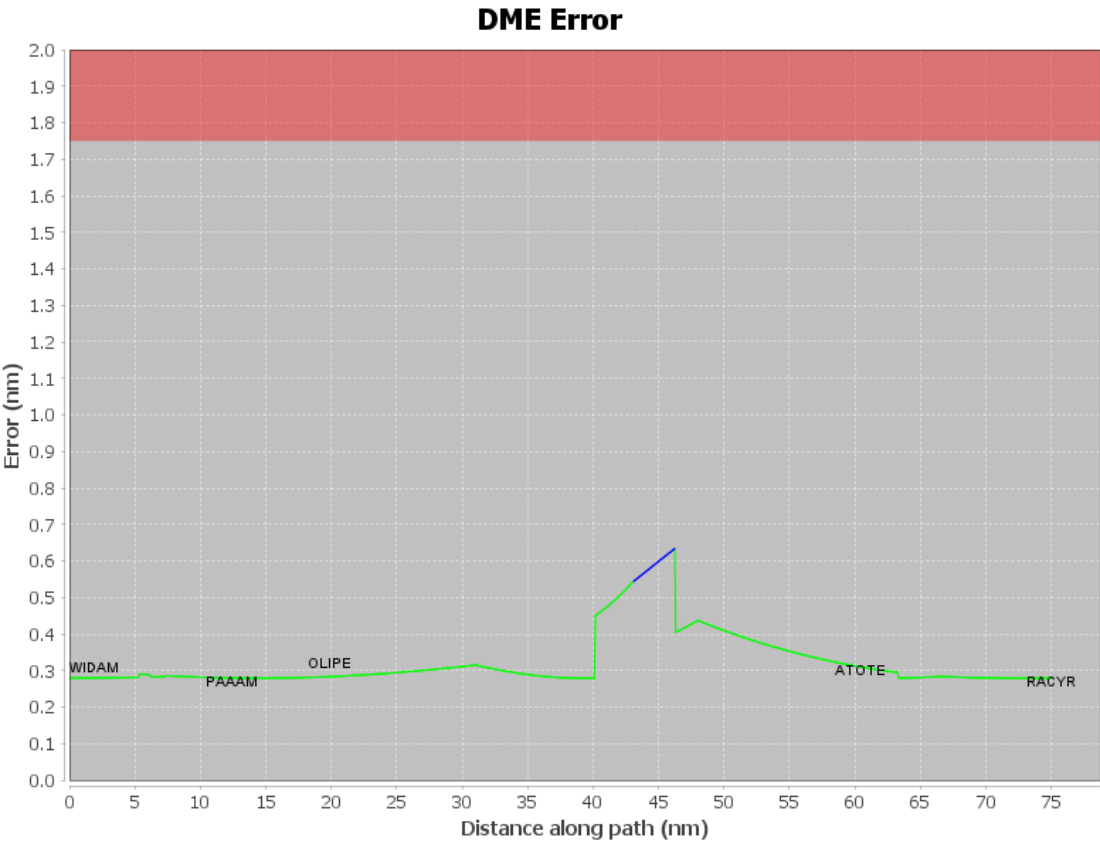
DME DME Assessment Results for SMUKE4 path WIDAM_RACYR

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	MTO	VLA	CSX	SAM		
0.2	MTO	VLA	VNN	SAM	CSX	
0.5	MTO	VLA	VNN	SAM		
1.1	MTO	VLA	SAM			
4.7	MTO	VLA	BIB	SAM		
5.4	MTO	BIB	SAM			
6.2	MTO	VLA	BIB	SAM		
6.4	MTO	BIB	SAM			
23.4	MTO	BIB	SAM	LWV		
32.8	LWV	BIB	SAM			
34.3	LWV	BIB	TTH	SAM		
39.9	LWV	TTH	SAM			
40.6	LWV	SAM				
43.1						
46.3	SHB	LWV	TTH			
49.2	SHB	TTH				
54.4	SHB	TTH	SAM			
63.6	TTH	OOM	SHB	SAM		

Inertial Drift Segments			
#	Start Location	End Location	Length [NM]
1	N39° 01' 58.3933", W087° 34' 16.5908"	N39° 02' 27.4889", W087° 30' 14.1303"	3.1857

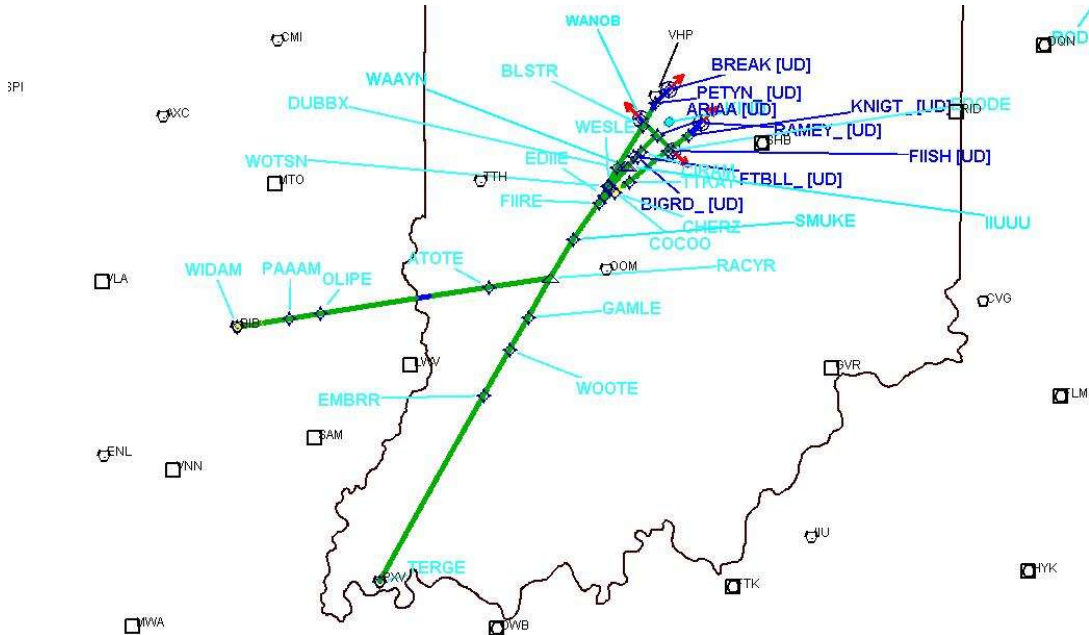
Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
WIDAM	PAAAM	VNN, MTO, CSX, VLA, BIB, SAM	
PAAAM	OLIPE	MTO, BIB, SAM	
OLIPE	ATOTE	MTO, TTH, BIB, LWV, SHB, SAM	
ATOTE	RACYR	TTH, SHB, OOM, SAM	

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



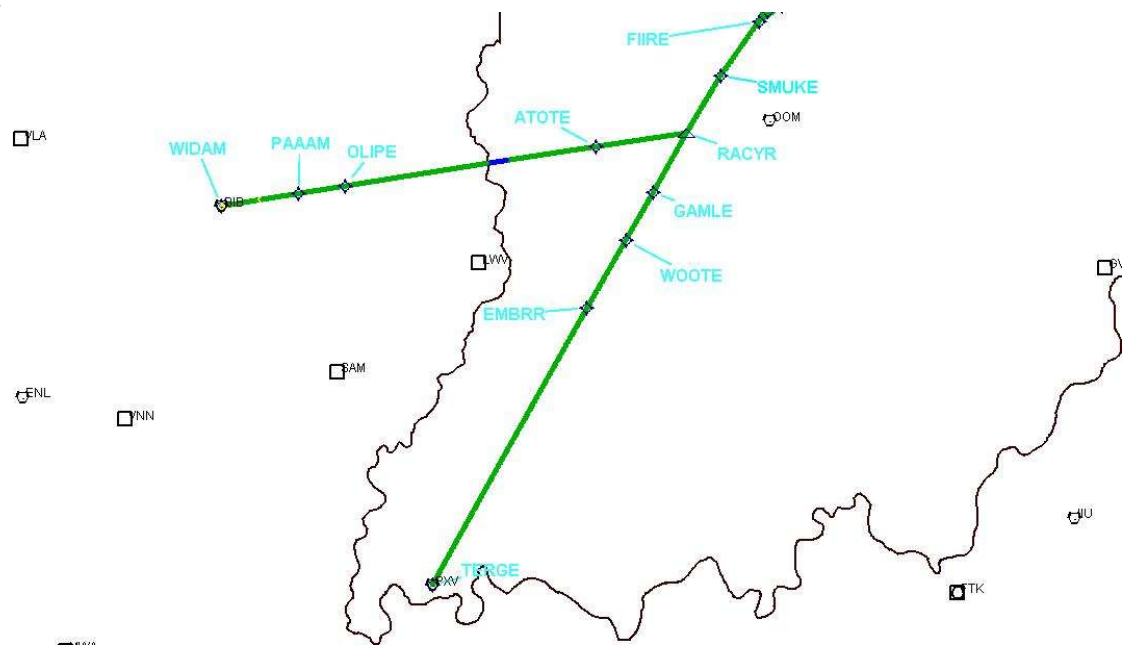
DME DME Assessment Results for SMUKE4 path WIDAM_RACYR

Graphic Depiction 1



DME DME Assessment Results for SMUKE4 path WIDAM_RACYR

Graphic Depiction 2



DME DME Assessment Results for SMUKE4 path WIDAM_RACYR

Graphic Depiction 3

