

DME DME Assessment Results for VALRE1 path DANZI_IGN

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\11-27-2025 PUB\KHPN VALRE1 (RNAV) STAR\KHPN VALRE1 (RNAV) STAR DME-DME_20240724.tgs
Output File:	C:\Users\David C-CTR Cook\Documents\TARGETS WORK\DME-DME WORK\11-27-2025 PUB\KHPN VALRE1 (RNAV) STAR\KHPN [IFPA] VALRE1 20240724_1451 EDT\ DANZI_IGN\KHPN VALRE1 RNAV STAR DANZI IGN 20240724_1451 EDT.pdf
Procedure Name:	VALRE1
Software: DmeDmePlugin:	7.3.3
Date/Time:	07/24/2024 14:51 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
DANZI	WP	N42° 10' 41.8600", W074° 57' 24.1900"	11000	VNAV	200	FLY_BY	TF
WEETS	WP	N41° 51' 26.9800", W074° 11' 51.5100"	8000	VNAV	200	FLY_BY	TF
IGN	WP	N41° 39' 55.6258", W073° 49' 20.0613"	4000	VNAV	200	FLY_BY	TF

Flyability

Flight Type:	RNAV_STAR
Selected Airport:	KHPN [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 VALRE1 path DANZI_IGN

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:	Not 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:	None

DME/DME (Continued)										
DMEs Used										
#	Name	Lat/Lon	MAGVAR	Range	Type	Source	Critical	Status	Time	Distance
1	HNK	N42° 03' 47.0050", W075° 18' 58.6240"	11.0 W	130	H	IFPA	NO	Enabled		
2	HUO	N41° 24' 34.8718", W074° 35' 29.7393"	11.0 W	130	H	IFPA	NO	Enabled		
3	ETX	N40° 34' 51.7405", W075° 41' 02.5085"	9.0 W	40	L	IFPA	NO	Enabled		
4	SAX	N41° 04' 03.1486", W074° 32' 17.9094"	11.0 W	130	H	IFPA	NO	Enabled		
5	RKA	N42° 27' 58.7900", W075° 14' 21.2210"	11.0 W	40	L	IFPA	NO	Enabled		
6	IGN	N41° 39' 55.6258", W073° 49' 20.0613"	12.0 W	40	L	IFPA	NO	Enabled		
7	HFD	N41° 38' 27.9769", W072° 32' 50.7048"	13.0 W	40	L	IFPA	NO	Enabled		
8	PWL	N41° 46' 11.1770", W073° 36' 01.9850"	12.0 W	40	L	IFPA	NO	Enabled		
9	DNY	N42° 10' 41.8100", W074° 57' 24.9860"	11.0 W	40	L	IFPA	NO	Enabled		
10	CMK	N41° 16' 48.3219", W073° 34' 52.7751"	12.0 W	40	L	IFPA	NO	Enabled		

DME DME Assessment Results for VALRE1 path DANZI_IGN

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	RKA [IFPA]	HNK [IFPA]	ETX [IFPA]			
3.3	RKA [IFPA]	HNK [IFPA]	ETX [IFPA]	DNY [IFPA]		
4.6	RKA [IFPA]	HNK [IFPA]				
15.7	HUO [IFPA]	HNK [IFPA]	DNY [IFPA]	RKA [IFPA]		
19.4	HUO [IFPA]	HNK [IFPA]	DNY [IFPA]	IGN [IFPA]	RKA [IFPA]	
19.4						
19.8	HUO [IFPA]	HNK [IFPA]	DNY [IFPA]	IGN [IFPA]	HFD [IFPA]	
25.3	HUO [IFPA]	DNY [IFPA]	IGN [IFPA]	HFD [IFPA]		
26.9	HUO [IFPA]	PWL [IFPA]	DNY [IFPA]	IGN [IFPA]	HFD [IFPA]	
39.6	IGN [IFPA]	HUO [IFPA]	PWL [IFPA]	HFD [IFPA]		
41.2	IGN [IFPA]	HUO [IFPA]	PWL [IFPA]			
43.6	IGN [IFPA]	HUO [IFPA]	CMK [IFPA]	PWL [IFPA]		
45.2	SAX [IFPA]	IGN [IFPA]	HUO [IFPA]	PWL [IFPA]		
45.2	HUO [IFPA]	CMK [IFPA]	IGN [IFPA]	PWL [IFPA]		
53.5	HUO [IFPA]	CMK [IFPA]	PWL [IFPA]			
56.7	CMK [IFPA]	PWL [IFPA]				

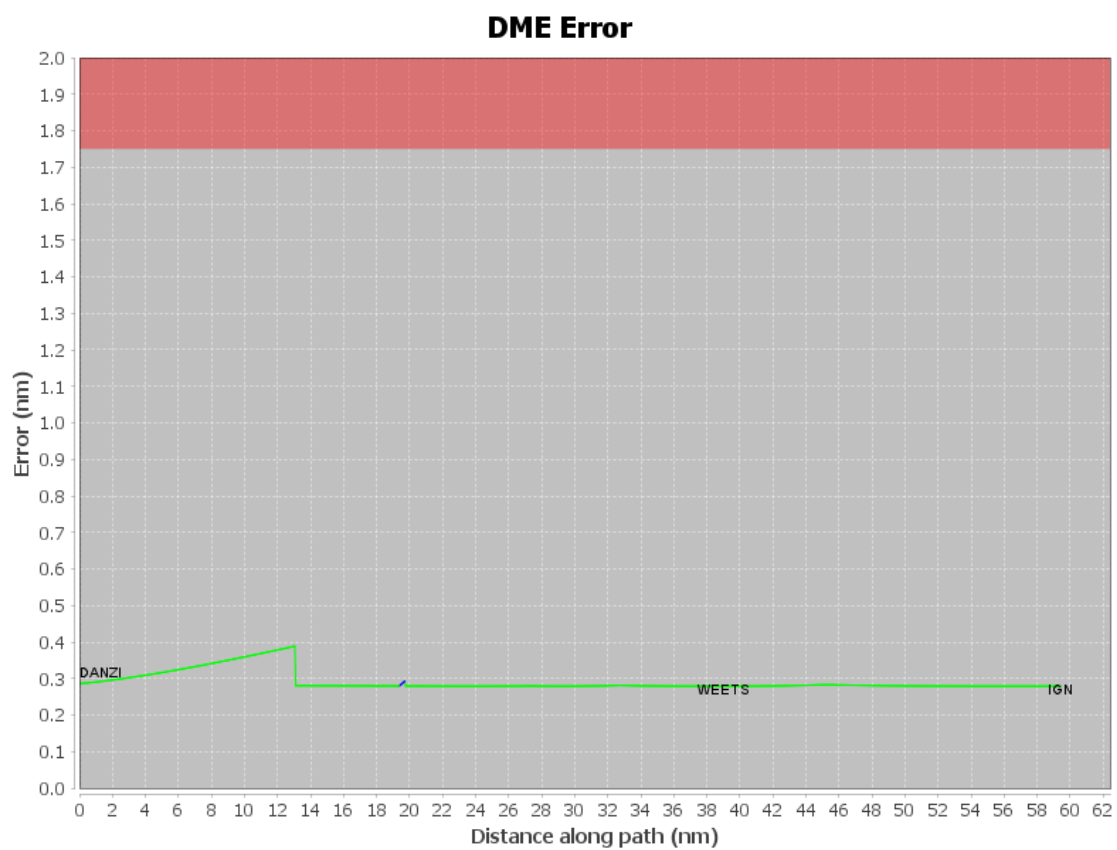
Inertial Drift Segments			
#	Start Location	End Location	Length [NM]
1	N42° 01' 09.1511", W074° 34' 40.2472"	N42° 00' 59.2939", W074° 34' 16.9248"	0.333

Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
DANZI	WEETS	HNK [IFPA], HUO [IFPA], ETX [IFPA], RKA [IFPA], IGN [IFPA], HFD [IFPA], PWL [IFPA], DNY [IFPA]	
WEETS	IGN	HUO [IFPA], SAX [IFPA], IGN [IFPA], HFD [IFPA], PWL [IFPA], DNY [IFPA], CMK [IFPA]	

DME DME Assessment Results for VALRE1 path DANZI_IGN

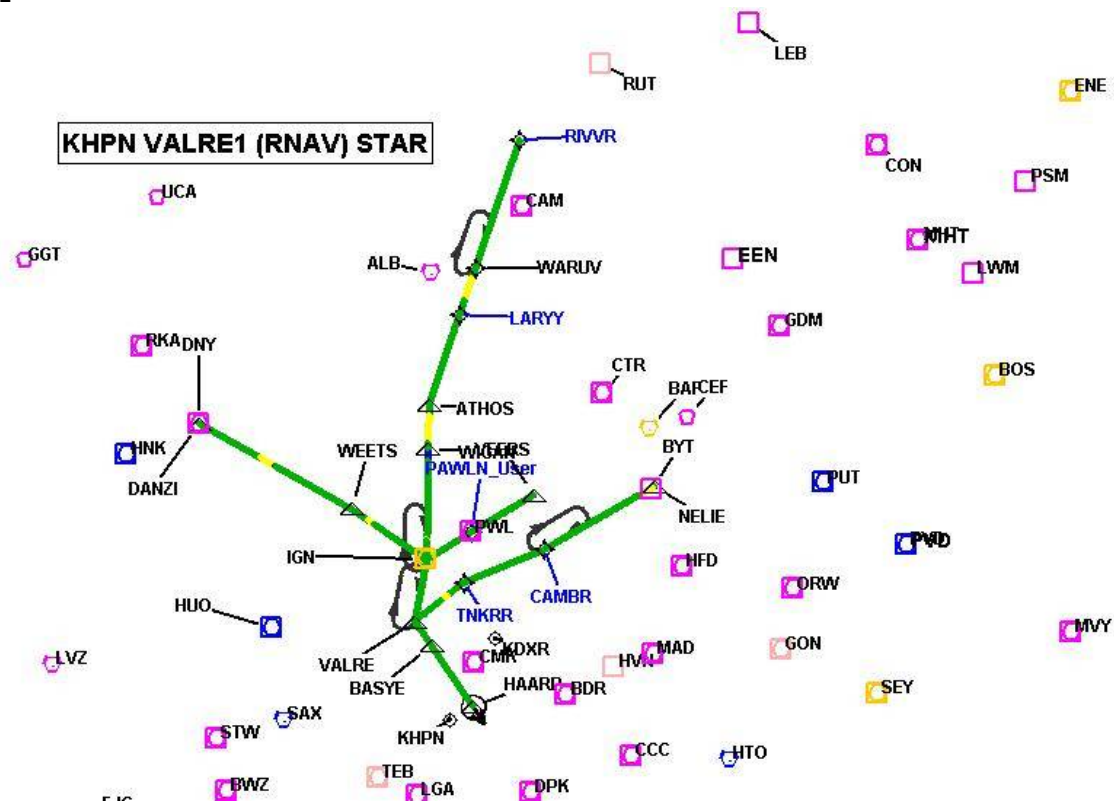
User Data Files								
#	File Name							
1	New Analysis.udt							
2	UserDMEsKLGA [IFPA] VADDR1 RNAV STAR_20240723_1047 EDT.udt							
User DMEs								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	UDT ESV MAD MAD [IFPA]	N41° 18' 49.9000", W072° 41' 31.9300"	13.0 W	40	216.3	110.4	UDT ESV MAD	
ESV:		Bearing [True]: 317.0° to 7.0° Bearing [Mag]: 330.0° to 20.0°				Arc Distance: Out to 85.0 NM Altitude: 7000.0 to 18000.0 ft		
2	CTR [IFPA] CTR [IFPA]	N42° 17' 28.7470", W072° 56' 57.8190"	13.0 W	40	1600	115.1	CTR [IFPA]	
ESV:		Bearing [True]: 310.0° to 346.0° Bearing [Mag]: 323.0° to 359.0°				Arc Distance: Out to 63.0 NM Altitude: 7900.0 to 19600.0 ft		
3	UDT ESV HFD HFD [IFPA]	N41° 38' 27.9769", W072° 32' 50.7048"	13.0 W	40	849.1	114.9	UDT ESV HFD	
ESV:		Bearing [True]: 277.0° to 323.0° Bearing [Mag]: 290.0° to 336.0°				Arc Distance: Out to 95.0 NM Altitude: 6900.0 to 18000.0 ft		
4	UDT ESV SAX SAX [IFPA]	N41° 04' 03.1486", W074° 32' 17.9094"	11.0 W	130	1399.5	115.7	UDT ESV SAX	
ESV:		Bearing [True]: 24.0° to 67.0° Bearing [Mag]: 35.0° to 78.0°				Arc Distance: Out to 64.0 NM Altitude: 4500.0 to 12500.0 ft		
5	UDT ESV CAM CAM [IFPA]	N42° 59' 39.4398", W073° 20' 38.4681"	14.0 W	40	1490	115.0	UDT ESV CAM	
ESV:		Bearing [True]: 186.0° to 236.0° Bearing [Mag]: 200.0° to 250.0°				Arc Distance: Out to 65.0 NM Altitude: 4900.0 to 18000.0 ft		
6	ETX [IFPA] ETX [IFPA]	N40° 34' 51.7405", W075° 41' 02.5085"	9.0 W	40	741.7	110.2	ETX [IFPA]	
ESV:		Bearing [True]: 17.0° to 22.0° Bearing [Mag]: 26.0° to 31.0°				Arc Distance: Out to 106.0 NM Altitude: 8700.0 to 18800.0 ft		
7	UDT ESV HUO HUO [IFPA]	N41° 24' 34.8718", W074° 35' 29.7393"	11.0 W	130	1300.3	116.1	UDT ESV HUO	
ESV:		Bearing [True]: 359.0° to 69.0° Bearing [Mag]: 10.0° to 80.0°				Arc Distance: Out to 65.0 NM Altitude: 6900.0 to 15900.0 ft		
8	UDT ESV CCC CCC [IFPA]	N40° 55' 46.6278", W072° 47' 55.8897"	13.0 W	130	84.7	114.55	UDT ESV CCC	
ESV:		Bearing [True]: 317.0° to 7.0° Bearing [Mag]: 330.0° to 20.0°				Arc Distance: Out to 75.0 NM Altitude: 4900.0 to 14600.0 ft		
9	UDT ESV GDM GDM [IFPA]	N42° 32' 45.3150", W072° 03' 29.4776"	14.0 W	40	1279.6	116.95	UDT ESV GDM	
ESV:		Bearing [True]: 266.0° to 281.0° Bearing [Mag]: 280.0° to 295.0°				Arc Distance: Out to 83.0 NM Altitude: 7900.0 to 19300.0 ft		
10	EEN [IFPA] EEN [IFPA]	N42° 47' 39.4000", W072° 17' 30.4000"	-0.0 E	40	1380	109.4	EEN [IFPA]	
ESV:		Bearing [True]: 264.0° to 302.0° Bearing [Mag]: 264.0° to 302.0°				Arc Distance: Out to 62.0 NM Altitude: 7900.0 to 19400.0 ft		

DME DME Assessment Results for VALRE1 path DANZI_IGN

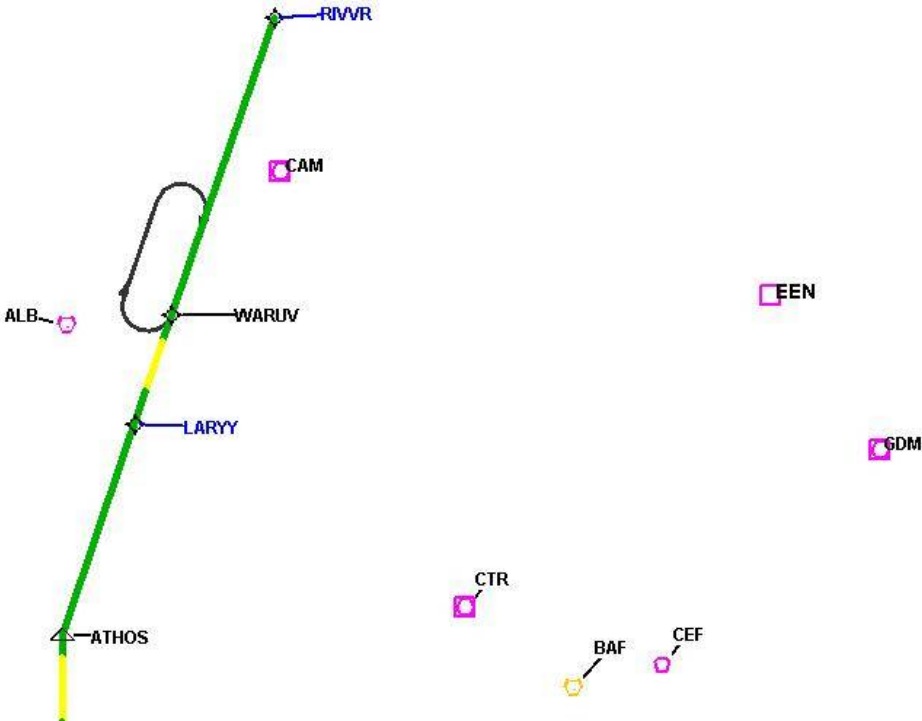


DME DME Assessment Results for VALRE1 path DANZI_IGN

Graphic Depiction 1

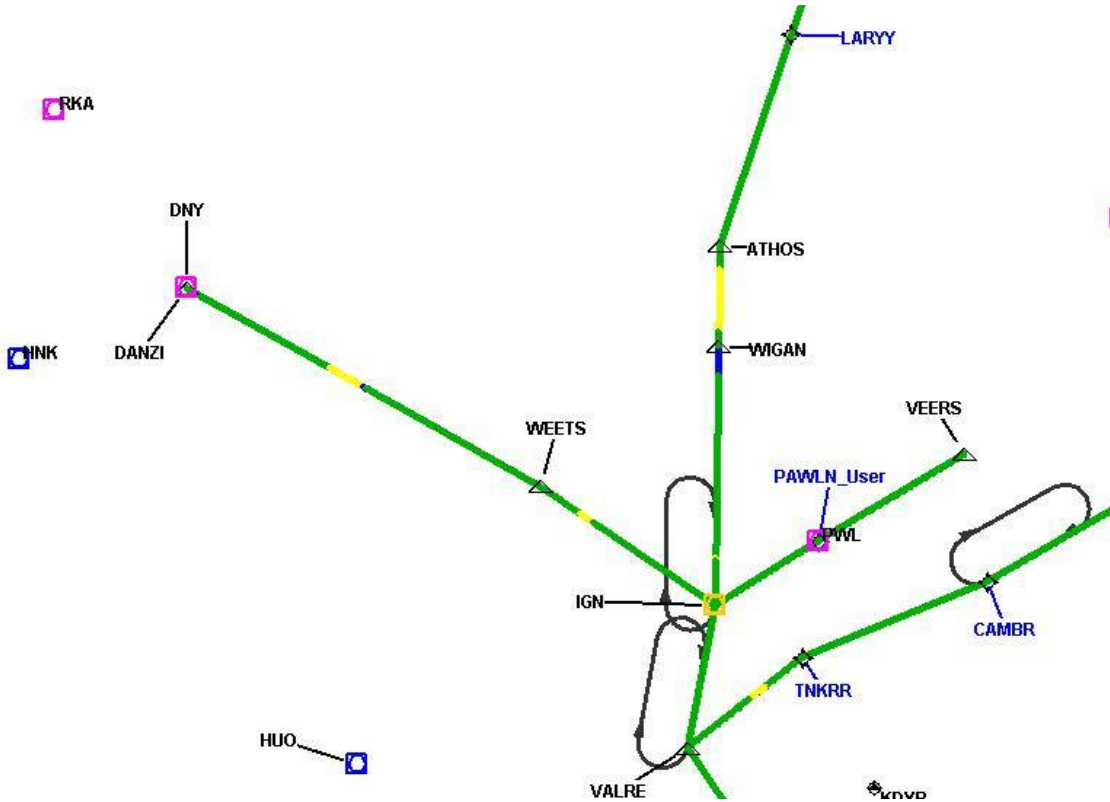


Graphic Depiction 2



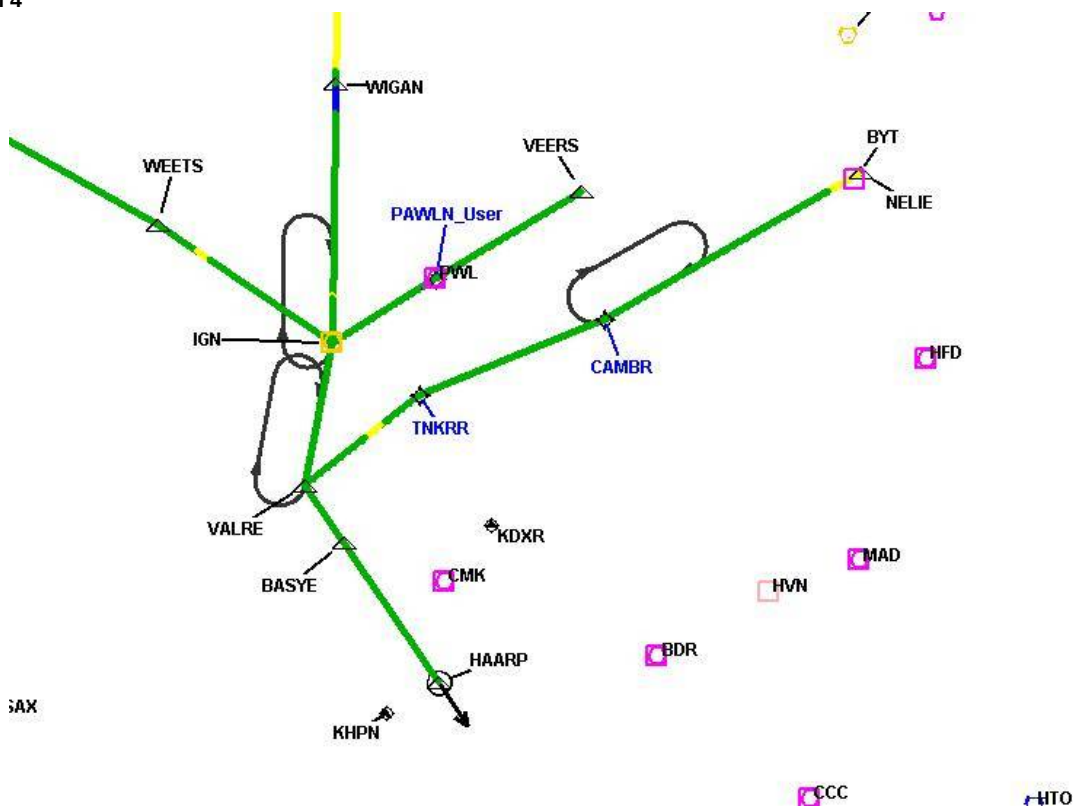
DME DME Assessment Results for VALRE1 path DANZI_IGN

Graphic Depiction 3



DME DME Assessment Results for VALRE1 path DANZI_IGN

Graphic Depiction 4



DME DME Assessment Results for VALRE1 path NELIE_VALRE

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\11-27-2025 PUB\KHPN VALRE1 (RNAV) STAR\KHPN VALRE1 (RNAV) STAR DME-DME_20240724.tgs
Output File:	C:\Users\David C-CTR Cook\Documents\TARGETS WORK\DME-DME WORK\11-27-2025 PUB\KHPN VALRE1 (RNAV) STAR\KHPN [IFPA] VALRE1 20240724_1451 EDT\NELIE_VALRE\KHPN VALRE1 RNAV STAR NELIE VALRE 20240724_1451 EDT.pdf
Procedure Name:	VALRE1
Software: DmeDmePlugin:	7.3.3
Date/Time:	07/24/2024 14:51 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
NELIE	WP	N41° 56' 27.6400", W072° 41' 18.8800"	4000	VNAV	200	FLY_BY	TF
CAMBR	WP	N41° 42' 14.3519", W073° 14' 16.2571"	4000	VNAV	200	FLY_BY	TF
TNKRR	WP	N41° 34' 53.5072", W073° 38' 06.8175"	4000	VNAV	200	FLY_BY	TF
VALRE	WP	N41° 26' 07.1800", W073° 52' 54.2500"	4000	VNAV	200	FLY_BY	TF

Flyability

Flight Type:	RNAV_STAR
Selected Airport:	KHPN [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 VALRE1 path NELIE_VALRE

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:	Not 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:	None

DME/DME (Continued)										
DMEs Used										
#	Name	Lat/Lon	MAGVAR	Range	Type	Source	Critical	Status	Time	Distance
1	PUT	N41° 57' 19.6572", W071° 50' 38.7414"	14.0 W	130	H	IFPA	NO	Enabled		
2	PVD	N41° 43' 27.6382", W071° 25' 46.6990"	14.0 W	130	DH	IFPA	NO	Enabled		
3	HUO	N41° 24' 34.8718", W074° 35' 29.7393"	11.0 W	130	H	IFPA	NO	Enabled		
4	CEF	N42° 11' 51.1596", W072° 31' 34.7338"	14.0 W	40	L	IFPA	NO	Enabled		
5	BYT	N41° 55' 50.0220", W072° 41' 59.5420"	0.0 E	40	L	IFPA	NO	Enabled		
6	SAX	N41° 04' 03.1486", W074° 32' 17.9094"	11.0 W	130	H	IFPA	NO	Enabled		
7	HFD	N41° 38' 27.9769", W072° 32' 50.7048"	13.0 W	40	L	IFPA	NO	Enabled		
8	PWL	N41° 46' 11.1770", W073° 36' 01.9850"	12.0 W	40	L	IFPA	NO	Enabled		
9	CMK	N41° 16' 48.3219", W073° 34' 52.7751"	12.0 W	40	L	IFPA	NO	Enabled		
10	CTR	N42° 17' 28.7470", W072° 56' 57.8190"	13.0 W	40	L	IFPA	NO	Enabled		
11	ORW	N41° 33' 23.0534", W071° 59' 57.6719"	14.0 W	40	L	IFPA	NO	Enabled		
12	BDR	N41° 09' 38.5404", W073° 07' 28.1507"	12.0 W	40	L	IFPA	NO	Enabled		
13	MAD	N41° 18' 49.9000", W072° 41' 31.9300"	13.0 W	40	L	IFPA	NO	Enabled		
14	IGN	N41° 39' 55.6258", W073° 49' 20.0613"	12.0 W	40	L	IFPA	NO	Enabled		
15	BAF	N42° 09' 43.0527", W072° 42' 58.3182"	14.0 W	40	L	IFPA	NO	Enabled		

DME DME Assessment Results for VALRE1 path NELIE_VALRE

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	BAF [IFPA]	PUT [IFPA]	HFD [IFPA]	CEF [IFPA]	CTR [IFPA]	
2.6	CEF [IFPA]	ORW [IFPA]	BAF [IFPA]	PVD [IFPA]	CTR [IFPA]	PWL [IFPA]
3.4	BAF [IFPA]	PVD [IFPA]	CTR [IFPA]	PWL [IFPA]	MAD [IFPA]	HFD [IFPA]
3.6	CTR [IFPA]	PWL [IFPA]	MAD [IFPA]	HFD [IFPA]	BAF [IFPA]	CEF [IFPA]
23.7	HFD [IFPA]	CTR [IFPA]	BDR [IFPA]	PWL [IFPA]	BYT [IFPA]	MAD [IFPA]
28.2	IGN [IFPA]	BDR [IFPA]	MAD [IFPA]	BAF [IFPA]	HFD [IFPA]	BYT [IFPA]
30.8	IGN [IFPA]	BDR [IFPA]	BYT [IFPA]	HFD [IFPA]	MAD [IFPA]	PWL [IFPA]
34.1	CMK [IFPA]	PWL [IFPA]	BYT [IFPA]	BDR [IFPA]	IGN [IFPA]	HFD [IFPA]
36.4	BYT [IFPA]	BDR [IFPA]	IGN [IFPA]	CMK [IFPA]	PWL [IFPA]	
40.4	IGN [IFPA]	CMK [IFPA]	BDR [IFPA]	PWL [IFPA]		
50.3	BDR [IFPA]	PWL [IFPA]	IGN [IFPA]			
52.5	HUO [IFPA]	CMK [IFPA]	BDR [IFPA]	PWL [IFPA]	IGN [IFPA]	
54.3	BDR [IFPA]	PWL [IFPA]	CMK [IFPA]	IGN [IFPA]		
54.9	IGN [IFPA]	HUO [IFPA]	BDR [IFPA]	PWL [IFPA]	CMK [IFPA]	
57.6	IGN [IFPA]	HUO [IFPA]	CMK [IFPA]	PWL [IFPA]		
59.2	IGN [IFPA]	HUO [IFPA]	SAX [IFPA]	CMK [IFPA]	PWL [IFPA]	

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

Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
NELIE	CAMBR	CTR [IFPA], PUT [IFPA], PVD [IFPA], ORW [IFPA], CEF [IFPA], BYT [IFPA], BDR [IFPA], MAD [IFPA], IGN [IFPA], HFD [IFPA], BAF [IFPA], PWL [IFPA]	
CAMBR	TNKRR	BYT [IFPA], BDR [IFPA], MAD [IFPA], IGN [IFPA], HFD [IFPA], BAF [IFPA], PWL [IFPA], CMK [IFPA]	
TNKRR	VALRE	HUO [IFPA], BDR [IFPA], SAX [IFPA], IGN [IFPA], PWL [IFPA], CMK [IFPA]	

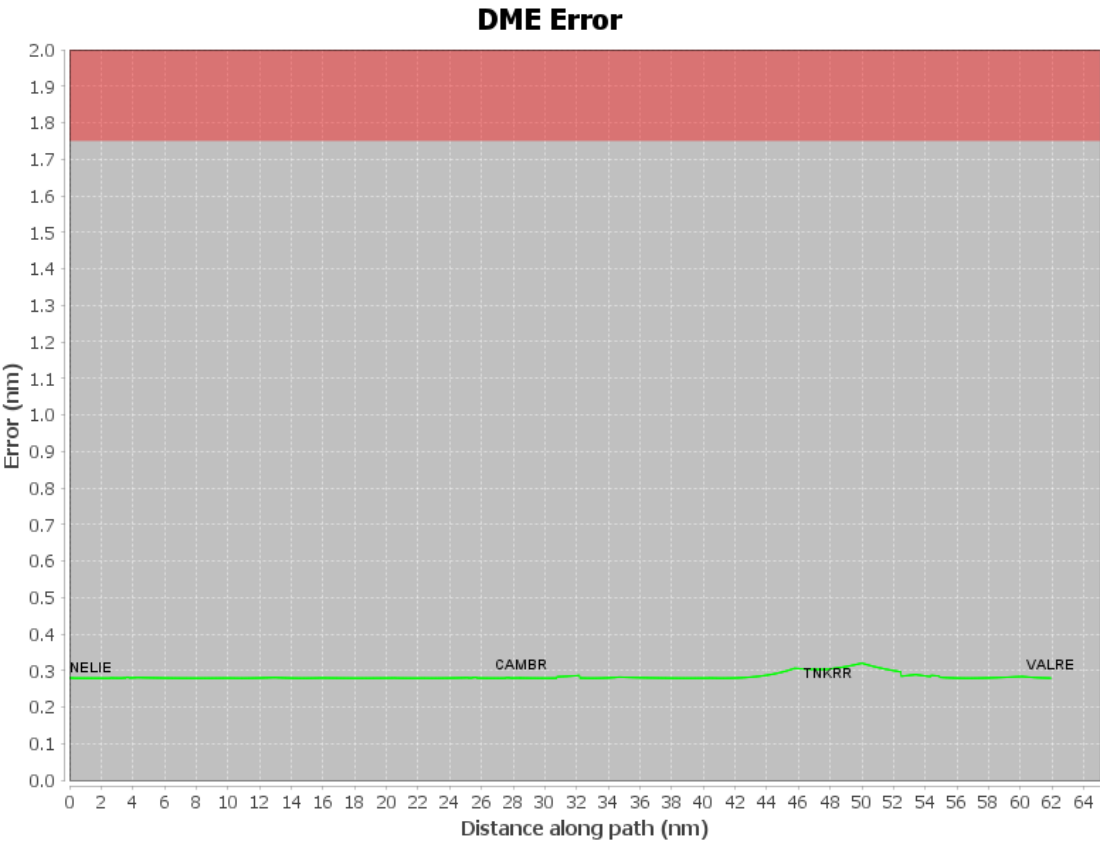
DME DME Assessment Results for VALRE1 path NELIE_VALRE

User Data Files

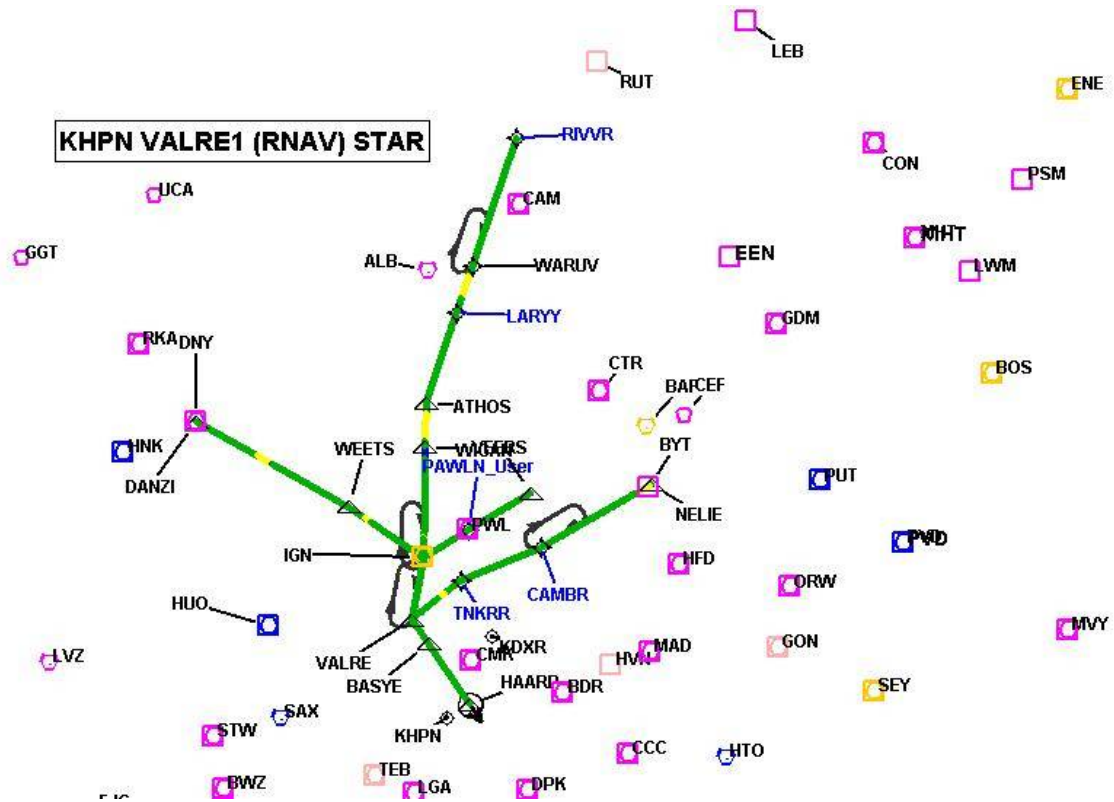
#	File Name
1	New Analysis.udt
2	UserDMESKLGA [IFPA] VADDR1 RNAV STAR_20240723_1047 EDT.udt

User DMEs

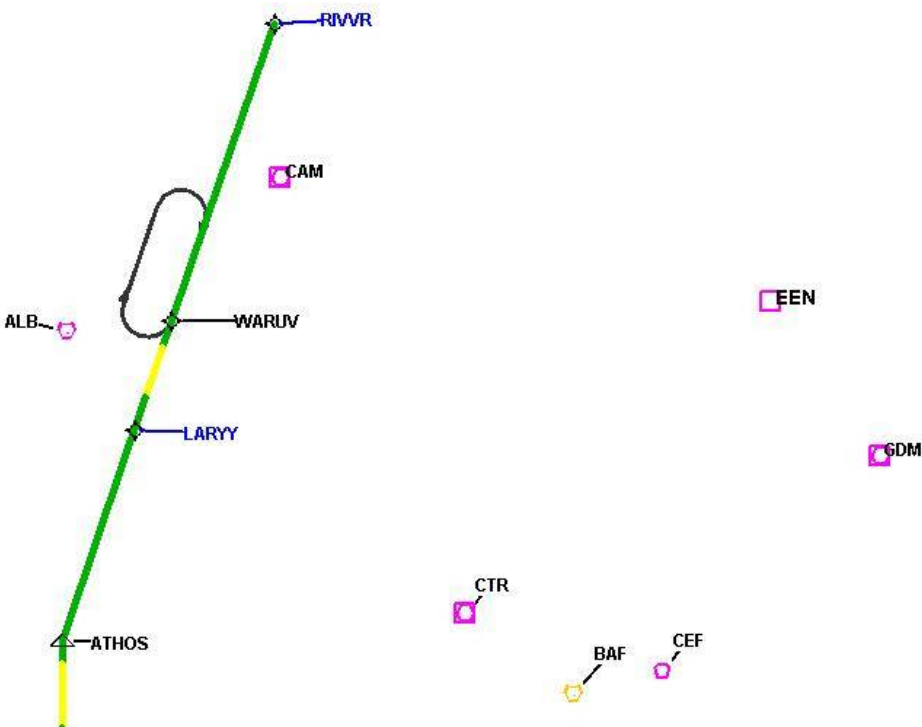
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	UDT ESV MAD MAD [IFPA]	N41° 18' 49.9000", W072° 41' 31.9300"	13.0 W	40	216.3	110.4	UDT ESV MAD	
ESV:		Bearing [True]: 317.0° to 7.0° Bearing [Mag]: 330.0° to 20.0°				Arc Distance: Out to 85.0 NM Altitude: 7000.0 to 18000.0 ft		
2	CTR [IFPA] CTR [IFPA]	N42° 17' 28.7470", W072° 56' 57.8190"	13.0 W	40	1600	115.1	CTR [IFPA]	
ESV:		Bearing [True]: 310.0° to 346.0° Bearing [Mag]: 323.0° to 359.0°				Arc Distance: Out to 63.0 NM Altitude: 7900.0 to 19600.0 ft		
3	UDT ESV HFD HFD [IFPA]	N41° 38' 27.9769", W072° 32' 50.7048"	13.0 W	40	849.1	114.9	UDT ESV HFD	
ESV:		Bearing [True]: 277.0° to 323.0° Bearing [Mag]: 290.0° to 336.0°				Arc Distance: Out to 95.0 NM Altitude: 6900.0 to 18000.0 ft		
4	UDT ESV SAX SAX [IFPA]	N41° 04' 03.1486", W074° 35' 17.9094"	11.0 W	130	1399.5	115.7	UDT ESV SAX	
ESV:		Bearing [True]: 24.0° to 67.0° Bearing [Mag]: 35.0° to 78.0°				Arc Distance: Out to 64.0 NM Altitude: 4500.0 to 12500.0 ft		
5	UDT ESV CAM CAM [IFPA]	N42° 59' 39.4398", W073° 20' 38.4681"	14.0 W	40	1490	115.0	UDT ESV CAM	
ESV:		Bearing [True]: 186.0° to 236.0° Bearing [Mag]: 200.0° to 250.0°				Arc Distance: Out to 65.0 NM Altitude: 4900.0 to 18000.0 ft		
6	ETX [IFPA] ETX [IFPA]	N40° 34' 51.7405", W075° 41' 02.5085"	9.0 W	40	741.7	110.2	ETX [IFPA]	
ESV:		Bearing [True]: 17.0° to 22.0° Bearing [Mag]: 26.0° to 31.0°				Arc Distance: Out to 106.0 NM Altitude: 8700.0 to 18800.0 ft		
7	UDT ESV HUO HUO [IFPA]	N41° 24' 34.8718", W074° 35' 29.7393"	11.0 W	130	1300.3	116.1	UDT ESV HUO	
ESV:		Bearing [True]: 359.0° to 69.0° Bearing [Mag]: 10.0° to 80.0°				Arc Distance: Out to 65.0 NM Altitude: 6900.0 to 15900.0 ft		
8	UDT ESV CCC CCC [IFPA]	N40° 55' 46.6278", W072° 47' 55.8897"	13.0 W	130	84.7	114.55	UDT ESV CCC	
ESV:		Bearing [True]: 317.0° to 7.0° Bearing [Mag]: 330.0° to 20.0°				Arc Distance: Out to 75.0 NM Altitude: 4900.0 to 14600.0 ft		
9	UDT ESV GDM GDM [IFPA]	N42° 32' 45.3150", W072° 03' 29.4776"	14.0 W	40	1279.6	116.95	UDT ESV GDM	
ESV:		Bearing [True]: 266.0° to 281.0° Bearing [Mag]: 280.0° to 295.0°				Arc Distance: Out to 83.0 NM Altitude: 7900.0 to 19300.0 ft		
10	EEN [IFPA] EEN [IFPA]	N42° 47' 39.4000", W072° 17' 30.4000"	-0.0 E	40	1380	109.4	EEN [IFPA]	
ESV:		Bearing [True]: 264.0° to 302.0° Bearing [Mag]: 264.0° to 302.0°				Arc Distance: Out to 62.0 NM Altitude: 7900.0 to 19400.0 ft		



Graphic Depiction 1

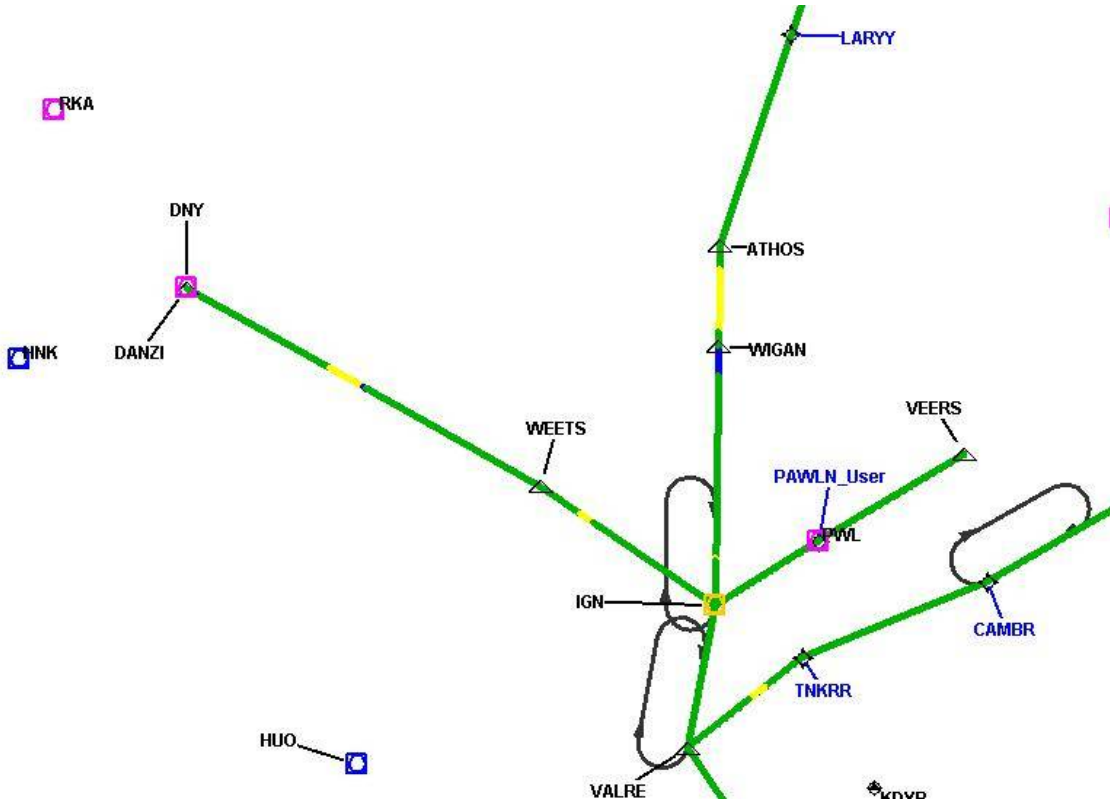


Graphic Depiction 2



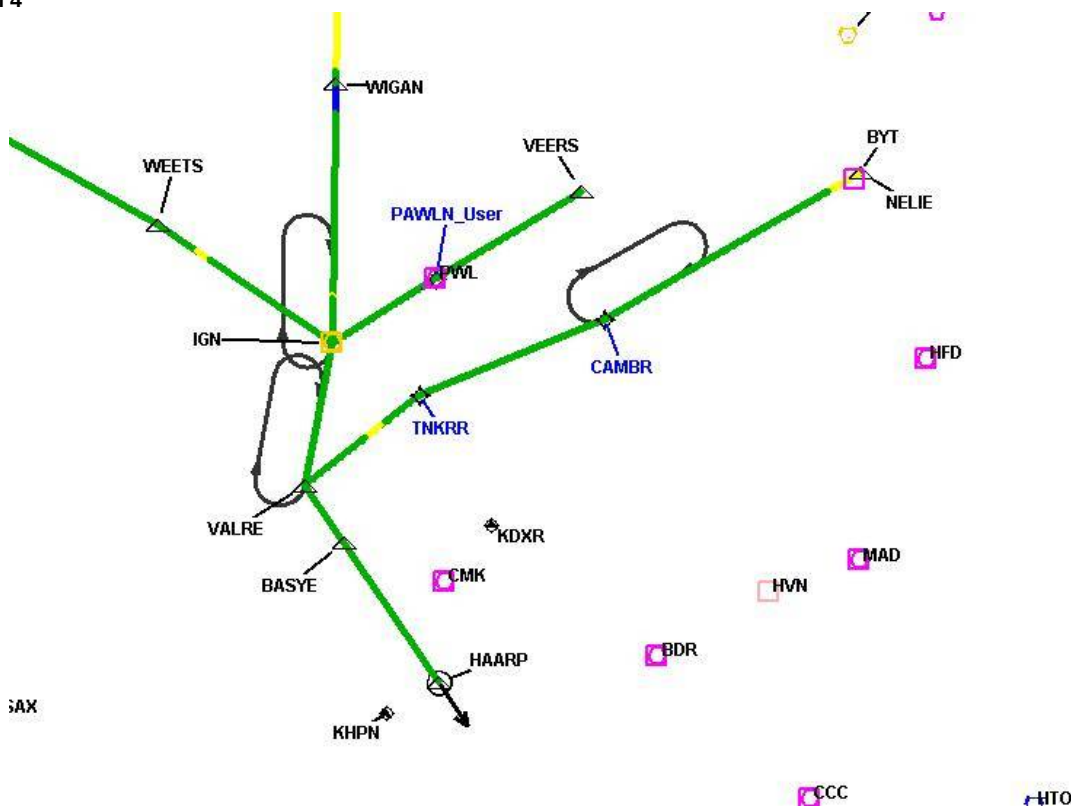
DME DME Assessment Results for VALRE1 path NELIE_VALRE

Graphic Depiction 3



DME DME Assessment Results for VALRE1 path NELIE_VALRE

Graphic Depiction 4



DME DME Assessment Results for VALRE1 path RIVVR_HAARP

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\11-27-2025 PUBLICATION\KHPN VALRE1 (RNAV) STAR\FROM SPI\KHPN VALRE1 (RNAV) STAR DME-DME_20241114.tgs
Output File:	C:\Users\David C-CTR Cook\Documents\TARGETS WORK\DME-DME WORK\11-27-2025 PUBLICATION\KHPN VALRE1 (RNAV) STAR\FROM SPI\KDXR [IFPA] VALRE1 20250502_1125 EDT\RIVVR_HAARP\KDXR VALRE1 RNAV STAR RIVVR HAARP 20250502_1125 EDT.pdf
Procedure Name:	VALRE1
Software: DmeDmePlugin:	7.5.0
Date/Time:	05/02/2025 11:25 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
RIVVR	WP	N43° 14' 41.6430", W073° 21' 26.8847"	11000	VNAV	200	FLY_BY	TF
WARUV	WP	N42° 45' 52.1400", W073° 34' 41.4100"	9000	VNAV	200	FLY_BY	TF
LARYY	WP	N42° 35' 16.3281", W073° 39' 30.8266"	8000	VNAV	200	FLY_BY	TF
ATHOS	WP	N42° 14' 49.4900", W073° 48' 43.5600"	8000	VNAV	200	FLY_BY	TF
WIGAN	WP	N42° 05' 06.3300", W073° 48' 53.8900"	5000	VNAV	200	FLY_BY	TF
IGN	WP	N41° 39' 55.6258", W073° 49' 20.0613"	4000	VNAV	200	FLY_BY	TF
VALRE	WP	N41° 26' 07.1800", W073° 52' 54.2500"	4000	VNAV	200	FLY_BY	TF
BASYE	WP	N41° 20' 37.4000", W073° 47' 54.9900"	4000	VNAV	200	FLY_BY	TF
HAARP	WP	N41° 06' 58.8700", W073° 35' 36.5400"	3000	VNAV	200	FLY_OVER	TF

Flyability

Flight Type:	RNAV STAR
Selected Airport:	KDXR [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 VALRE1 path RIVVR_HAARP

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:	Not 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:	None

DME DME Assessment Results for VALRE1 path RIVVR_HAARP

DME/DME (Continued)										
DMEs Used										
#	Name	Lat/Lon	MAGVAR	Range	Type	Source	Critical	Status	Time	Distance
1	CTR	N42° 17' 28.7470", W072° 56' 57.8190"	13.0 W	40	L		NO	Enabled	42.4 %	42.4 %
2	CMK	N41° 16' 48.3219", W073° 34' 52.7751"	12.0 W	40	L		NO	Enabled	23.2 %	23.2 %
3	CCC	N40° 55' 46.6278", W072° 47' 55.8897"	13.0 W	130	H		NO	Enabled		
4	HUO	N41° 24' 34.8718", W074° 35' 29.7393"	11.0 W	130	H		NO	Enabled	15.2 %	15.2 %
5	PWL	N41° 46' 11.1770", W073° 36' 01.9850"	12.0 W	40	L		NO	Enabled	50 %	50 %
6	HFD	N41° 38' 27.9769", W072° 32' 50.7048"	13.0 W	40	L		NO	Enabled	14.6 %	14.6 %
7	LGA	N40° 47' 01.3731", W073° 52' 06.9569"	12.0 W	40	L		NO	Enabled	15.7 %	15.7 %
8	SAX	N41° 04' 03.1486", W074° 32' 17.9094"	11.0 W	130	H		NO	Enabled	5.5 %	5.5 %
9	CAM	N42° 59' 39.4398", W073° 20' 38.4681"	14.0 W	40	L		NO	Enabled	49.2 %	49.2 %
10	JFK	N40° 37' 58.3816", W073° 46' 17.0103"	12.0 W	130	H		NO	Enabled	9.8 %	9.8 %
11	EEN	N42° 47' 39.4000", W072° 17' 30.4000"	-0.0 E	40	L		NO	Enabled	26 %	26 %
12	GDM	N42° 32' 45.3150", W072° 03' 29.4776"	14.0 W	40	L		NO	Enabled	9.2 %	9.2 %
13	MAD	N41° 18' 49.9000", W072° 41' 31.9300"	13.0 W	40	L		NO	Enabled	6.7 %	6.7 %
14	IGN	N41° 39' 55.6258", W073° 49' 20.0613"	12.0 W	40	L		NO	Enabled	44.9 %	44.9 %
15	BDR	N41° 09' 38.5404", W073° 07' 28.1507"	12.0 W	40	L		NO	Enabled	10 %	10 %
16	MPV	N44° 05' 07.7171", W072° 26' 57.7073"	16.0 W	130	DH		NO	Enabled	21 %	21 %
17	ORW	N41° 33' 23.0534", W071° 59' 57.6719"	14.0 W	130	DH		NO	Enabled	12.6 %	12.6 %
18	ALB	N42° 44' 50.2097", W073° 48' 11.4623"	13.0 W	40	L		NO	Enabled	52.8 %	52.8 %

DME DME Assessment Results for VALRE1 path RIVVR_HAARP

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	EEN	ALB	MPV	CAM	CTR	
11.4	EEN	ALB	MPV	CTR		
16.8	CTR	ALB	CAM	EEN	MPV	
28.5	CTR	CAM	ALB	EEN		
29.8	CTR	CAM	ALB	ORW	EEN	
30.5	CTR	CAM	EEN	ALB		
31.7	CTR	CAM	GDM	ALB	EEN	
33.1	CTR	CAM	ALB			
33.5	CTR	CAM	ALB	GDM	EEN	
35.6	CTR	CAM	ALB	GDM		
35.7	CTR	CAM	ALB	GDM	HFD	
38.2	CAM	ALB	GDM			
38.3	CAM	ALB	HFD	GDM		
41.8	CTR	CAM	HFD	ALB	GDM	
44.5	CTR	CAM	ALB			
48.5	CTR	CAM	ORW	ALB		
53.0	CAM	CTR	HFD	ALB	ORW	MAD
54.0	CTR	ALB	PWL	ORW		
55.0	HFD	CAM	ORW	MAD	ALB	PWL
63.2	HFD	CAM	ORW	ALB	IGN	PWL
64.2	HFD	CAM	ALB	IGN	PWL	
65.4	CTR	IGN	ALB	PWL	CAM	
71.5	CAM	PWL				
73.1						
75.6	PWL	IGN				
93.6						
102.6	CMK	PWL	HUO			
104.7	CMK	PWL	HUO	IGN		
111.7	CMK	PWL	HUO	IGN	SAX	
112.1	CMK	PWL	HUO	IGN		
114.0	LGA	HUO	CMK	PWL	IGN	
120.3	CMK	PWL	LGA	IGN		
121.7	CMK	LGA	HUO	PWL	BDR	SAX
124.6	LGA	BDR	CMK	IGN	PWL	SAX
129.0	PWL	BDR	JFK	LGA	IGN	CMK
133.2	BDR	IGN	CMK	JFK	LGA	
134.0	BDR	IGN	JFK	LGA		

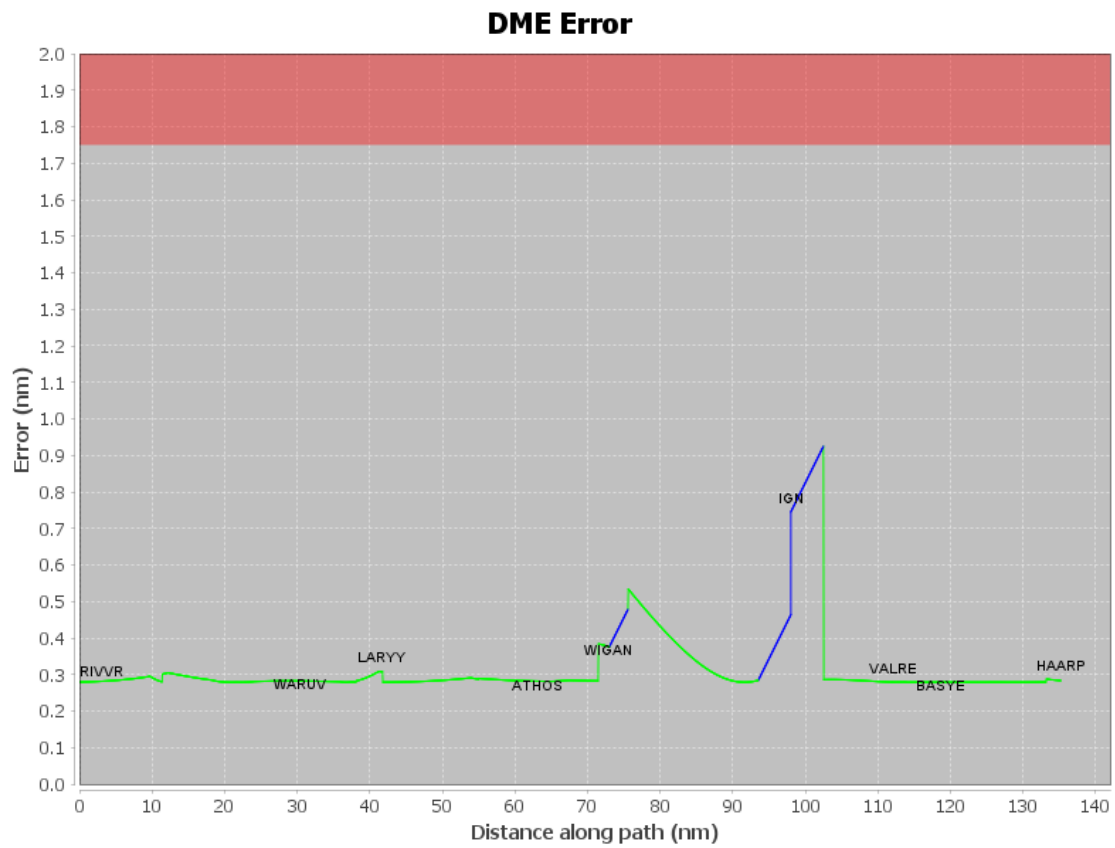
Inertial Drift Segments			
#	Start Location	End Location	Length [NM]
1	N42° 04' 53.0203", W073° 48' 54.1221"	N42° 02' 19.9584", W073° 48' 56.7891"	2.5502
2	N41° 44' 21.8373", W073° 49' 15.4744"	N41° 35' 28.1906", W073° 50' 29.3750"	8.9763

Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
RIVVR	WARUV	CTR, MPV, ORW, ALB, CAM, EEN	
WARUV	LARYY	CTR, GDM, ORW, ALB, HFD, CAM, EEN	
LARYY	ATHOS	CTR, GDM, MAD, IGN, PWL, ORW, ALB, HFD, CAM	
ATHOS	WIGAN	CTR, IGN, PWL, ORW, ALB, HFD, CAM	
WIGAN	IGN	IGN, PWL, CAM	
IGN	VALRE	CMK, IGN, HUO, PWL, SAX	
VALRE	BASYE	CMK, IGN, HUO, PWL, LGA	
BASYE	HAARP	CMK, IGN, BDR, CCC, HUO, PWL, LGA, SAX, JFK	

DME DME Assessment Results for VALRE1 path RIVVR_HAARP

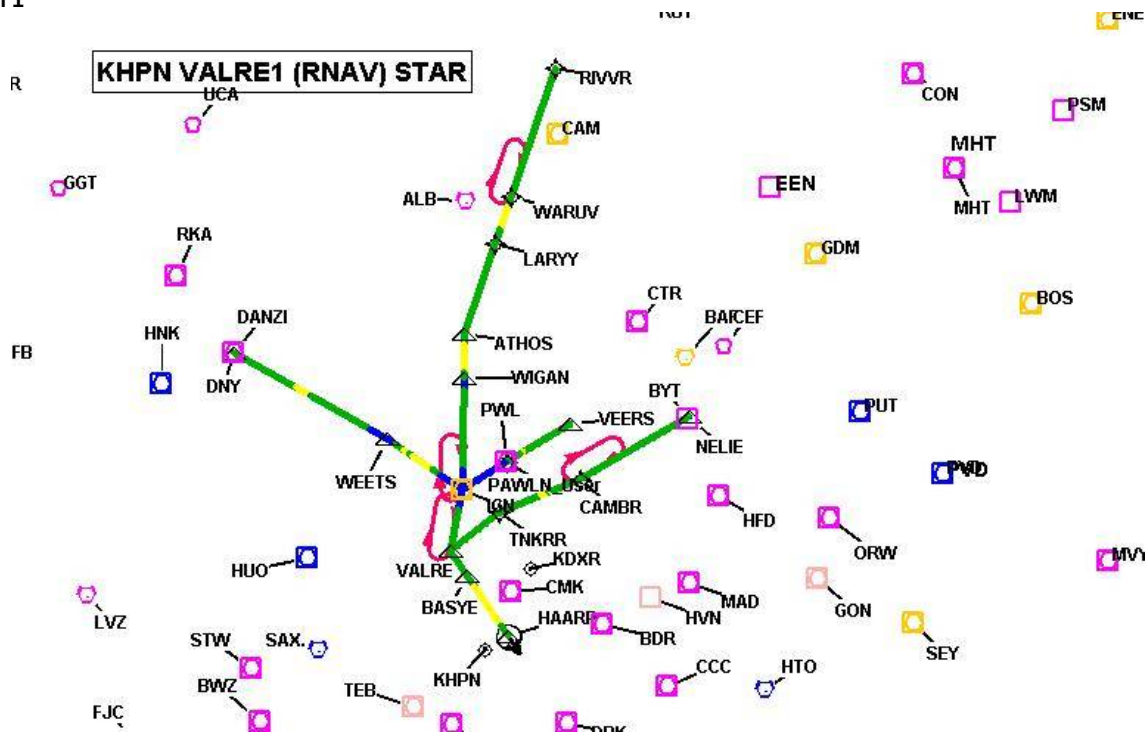
User Data Files								
#	File Name							
1	New Analysis.udt							
2	UserDMEsKLGA [IFPA] VADDR1 RNAV STAR_20240723_1047 EDT.udt							
User DMEs								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	UDT ESV HFD HFD	N41° 38' 27.9769", W072° 32' 50.7048"	13.0 W	40	849.1	114.9	UDT ESV HFD	
ESV:		Bearing [True]: 277.0° to 323.0° Bearing [Mag]: 290.0° to 336.0°				Arc Distance: Out to 95.0 NM Altitude: 6900.0 to 18000.0 ft		
2	UDT ESV SAX SAX	N41° 04' 03.1486", W074° 32' 17.9094"	11.0 W	130	1399.5	115.7	UDT ESV SAX	
ESV:		Bearing [True]: 24.0° to 67.0° Bearing [Mag]: 35.0° to 78.0°				Arc Distance: Out to 64.0 NM Altitude: 4500.0 to 12500.0 ft		
3	EEN [IFPA] EEN	N42° 47' 39.4000", W072° 17' 30.4000"	-0.0 E	40	1380	109.4	EEN [IFPA]	
ESV:		Bearing [True]: 264.0° to 302.0° Bearing [Mag]: 264.0° to 302.0°				Arc Distance: Out to 62.0 NM Altitude: 7900.0 to 19400.0 ft		
4	ETX [IFPA] ETX	N40° 34' 51.7405", W075° 41' 02.5085"	9.0 W	40	741.7	110.2	ETX [IFPA]	
ESV:		Bearing [True]: 17.0° to 22.0° Bearing [Mag]: 26.0° to 31.0°				Arc Distance: Out to 106.0 NM Altitude: 8700.0 to 18800.0 ft		
5	CTR [IFPA] CTR	N42° 17' 28.7470", W072° 56' 57.8190"	13.0 W	40	1600	115.1	CTR [IFPA]	
ESV:		Bearing [True]: 310.0° to 346.0° Bearing [Mag]: 323.0° to 359.0°				Arc Distance: Out to 63.0 NM Altitude: 7900.0 to 19600.0 ft		
6	UDT ESV CCC CCC	N40° 55' 46.6278", W072° 47' 55.8897"	13.0 W	130	84.7	114.55	UDT ESV CCC	
ESV:		Bearing [True]: 317.0° to 7.0° Bearing [Mag]: 330.0° to 20.0°				Arc Distance: Out to 75.0 NM Altitude: 4900.0 to 14600.0 ft		
7	UDT ESV MAD MAD	N41° 18' 49.9000", W072° 41' 31.9300"	13.0 W	40	216.3	110.4	UDT ESV MAD	
ESV:		Bearing [True]: 317.0° to 7.0° Bearing [Mag]: 330.0° to 20.0°				Arc Distance: Out to 85.0 NM Altitude: 7000.0 to 18000.0 ft		
8	UDT ESV GDM GDM	N42° 32' 45.3150", W072° 03' 29.4776"	14.0 W	40	1279.6	116.95	UDT ESV GDM	
ESV:		Bearing [True]: 266.0° to 281.0° Bearing [Mag]: 280.0° to 295.0°				Arc Distance: Out to 83.0 NM Altitude: 7900.0 to 19300.0 ft		
9	UDT ESV CAM CAM	N42° 59' 39.4398", W073° 20' 38.4681"	14.0 W	40	1490	115.0	UDT ESV CAM	
ESV:		Bearing [True]: 186.0° to 236.0° Bearing [Mag]: 200.0° to 250.0°				Arc Distance: Out to 65.0 NM Altitude: 4900.0 to 18000.0 ft		
10	UDT ESV HUO HUO	N41° 24' 34.8718", W074° 35' 29.7393"	11.0 W	130	1300.3	116.1	UDT ESV HUO	
ESV:		Bearing [True]: 359.0° to 69.0° Bearing [Mag]: 10.0° to 80.0°				Arc Distance: Out to 65.0 NM Altitude: 6900.0 to 15900.0 ft		

DME DME Assessment Results for VALRE1 path RIVVR_HAARP

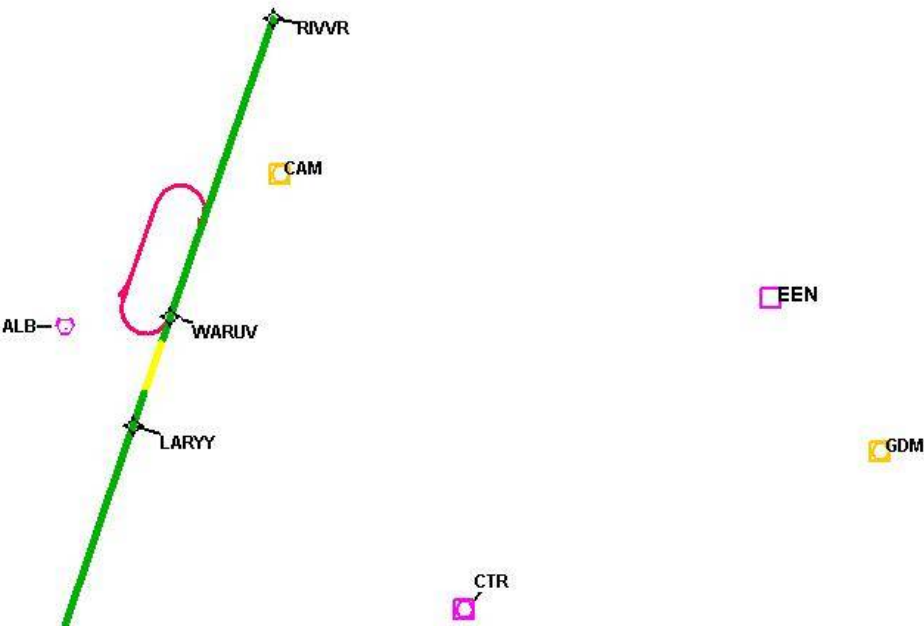


DME DME Assessment Results for VALRE1 path RIVVR_HAARP

Graphic Depiction 1

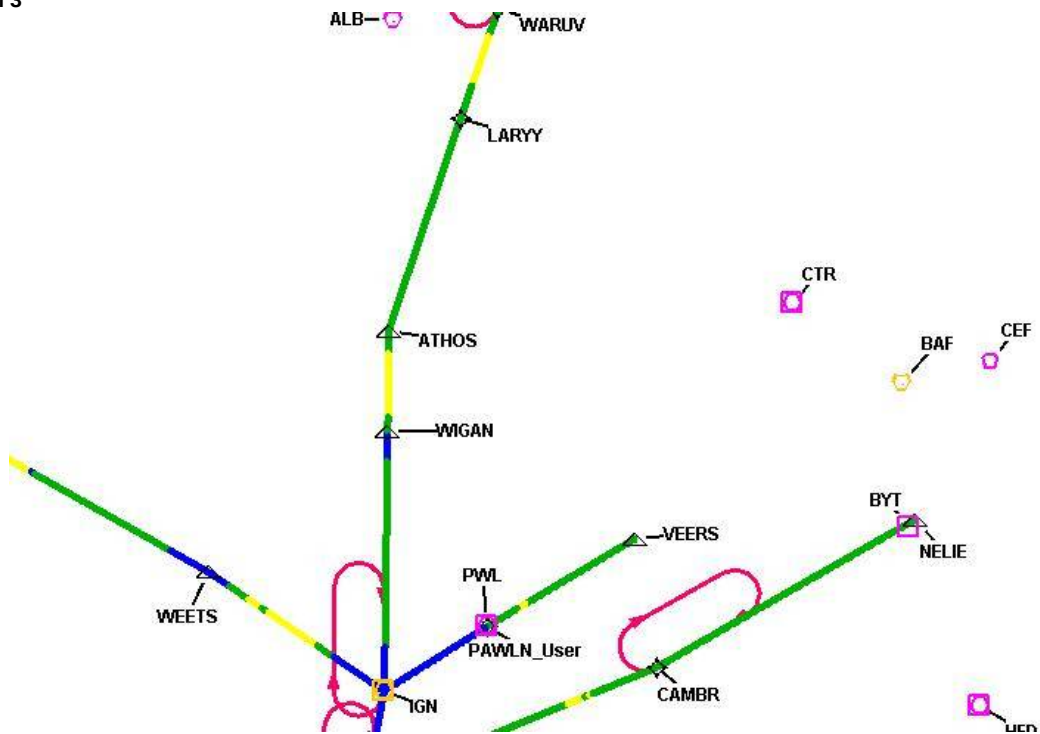


Graphic Depiction 2



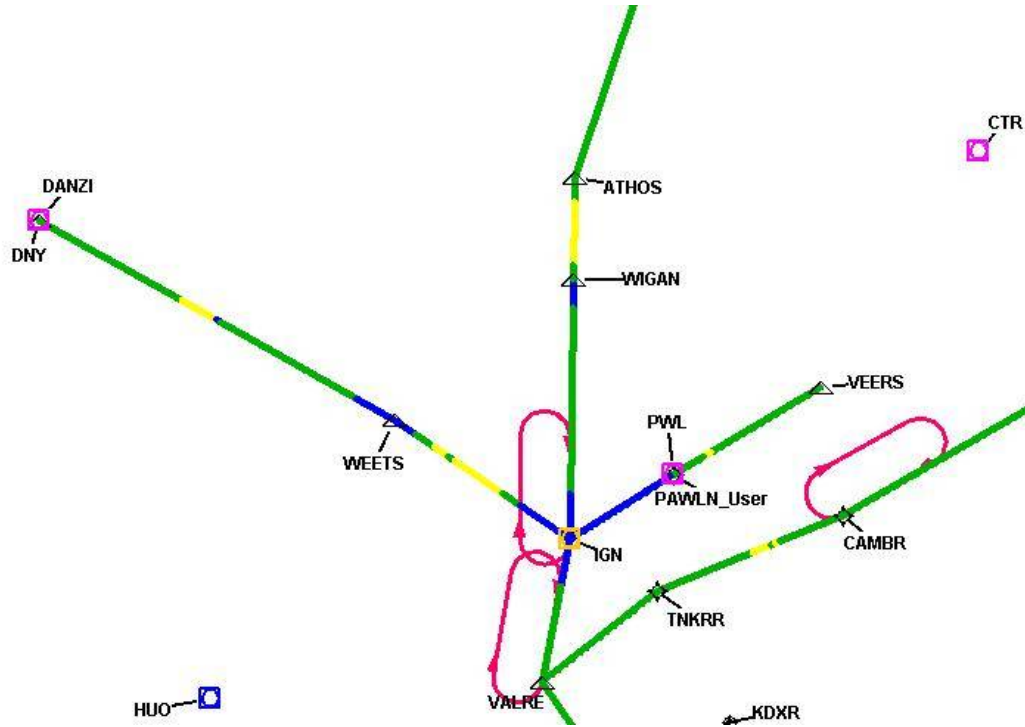
Graphic Depiction 3

DME DME Assessment Results for VALRE1 path RIVVR_HAARP



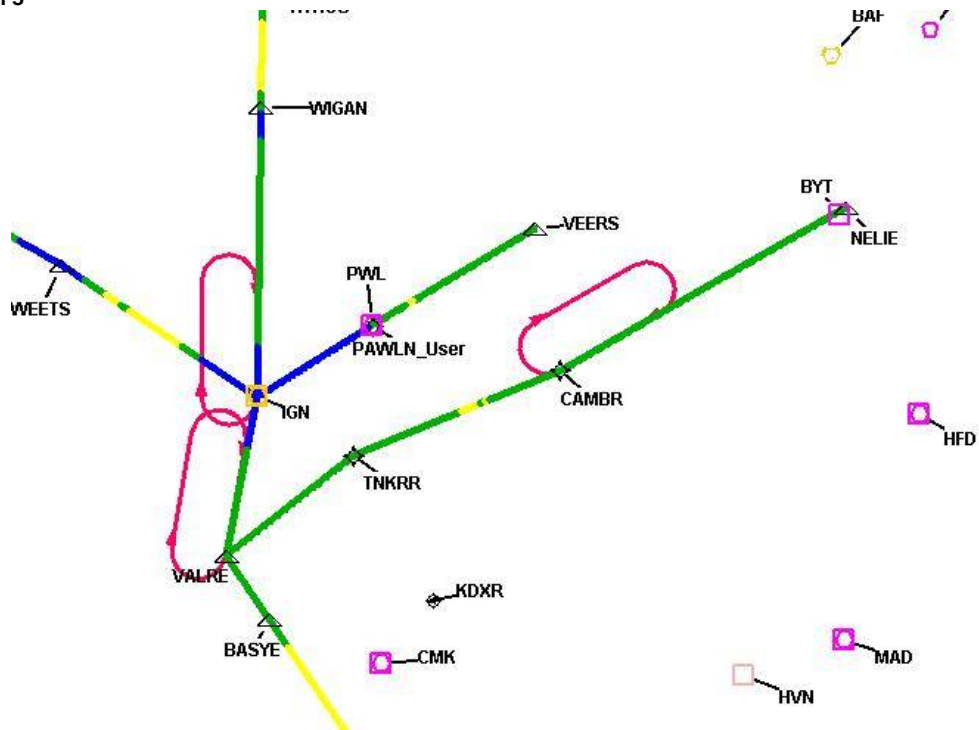
DME DME Assessment Results for VALRE1 path RIVVR_HAARP

Graphic Depiction 4



Graphic Depiction 5

DME DME Assessment Results for VALRE1 path RIVVR_HAARP



DME DME Assessment Results for VALRE1 path RIVVR_HAARP

Graphic Depiction 6

