

DME ESVs								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	UDT ESV CMK CMK	N41° 16' 48.32", W073° 34' 52.78"	12.0 W	40	692.8	116.6	UDT ESV CMK	
	Restriction:	Bearing [True]: 43.0° to 123.0° Bearing [Mag]: 55.0° to 135.0°				Distance: Beyond 20.0 NM Altitude: Below 5000.0 ft		
	Restriction:	Bearing [True]: 328.0° to 347.0° Bearing [Mag]: 340.0° to 359.0°				Distance: Beyond 20.0 NM Altitude: Below 6000.0 ft		
	Restriction:	Bearing [True]: 22.0° to 42.0° Bearing [Mag]: 34.0° to 54.0°				Distance: Beyond 20.0 NM Altitude: Below 99999.0 ft		
	Restriction:	Bearing [True]: 168.0° to 188.0° Bearing [Mag]: 180.0° to 200.0°				Distance: All Altitude: Below 99999.0 ft		
	Restriction:	Bearing [True]: 348.0° to 3.0° Bearing [Mag]: 360.0° to 15.0°				Distance: Beyond 20.0 NM Altitude: Below 99999.0 ft		
	ESV:	Bearing [True]: 288.0° to 323.0° Bearing [Mag]: 300.0° to 335.0°				Arc Distance: Out to 95.0 NM Altitude: 7900.0 to 18000.0 ft		
2	UDT ESV EEN EEN	N42° 47' 39.40", W072° 17' 30.40"	0.0 E	130	1380	114.35	UDT ESV EEN	
	Restriction:	Bearing [True]: 70.0° to 85.0° Bearing [Mag]: 70.0° to 85.0°				Distance: Beyond 25.0 NM Altitude: Below 9000.0 ft		
	Restriction:	Bearing [True]: 215.0° to 220.0° Bearing [Mag]: 215.0° to 220.0°				Distance: Beyond 25.0 NM Altitude: Below 5000.0 ft		
	Restriction:	Bearing [True]: 215.0° to 220.0° Bearing [Mag]: 215.0° to 220.0°				Distance: Beyond 25.0 NM Altitude: Below 5000.0 ft		
	Restriction:	Bearing [True]: 70.0° to 85.0° Bearing [Mag]: 70.0° to 85.0°				Distance: Beyond 25.0 NM Altitude: Below 9000.0 ft		
	ESV:	Bearing [True]: 240.0° to 275.0° Bearing [Mag]: 240.0° to 275.0°				Arc Distance: Out to 98.0 NM Altitude: 7900.0 to 18000.0 ft		
3	UDT ESV FQM FQM	N41° 20' 18.81", W076° 46' 29.52"	9.0 W	40	2098	114.4	UDT ESV FQM	
	ESV:	Bearing [True]: 1.0° to 21.0° Bearing [Mag]: 10.0° to 30.0°				Arc Distance: Out to 78.0 NM Altitude: 7900.0 to 18000.0 ft		
4	UDT ESV HUO HUO	N41° 24' 34.87", W074° 35' 29.74"	11.0 W	130	1300.3	116.1	UDT ESV HUO	
	Restriction:	Bearing [True]: 26.0° to 37.0° Bearing [Mag]: 37.0° to 48.0°				Distance: Beyond 20.0 NM Altitude: Below 99999.0 ft		
	Restriction:	Bearing [True]: 204.0° to 214.0° Bearing [Mag]: 215.0° to 225.0°				Distance: Beyond 33.0 NM Altitude: Below 99999.0 ft		
	ESV:	Bearing [True]: 339.0° to 24.0° Bearing [Mag]: 350.0° to 35.0°				Arc Distance: Out to 65.0 NM Altitude: 7900.0 to 15900.0 ft		
5	UDT ESV PUT PUT	N41° 57' 19.66", W071° 50' 38.74"	14.0 W	130	652	117.4	UDT ESV PUT	
	Restriction:	Bearing [True]: 251.0° to 287.0° Bearing [Mag]: 265.0° to 301.0°				Distance: Beyond 36.0 NM Altitude: Below 3000.0 ft		
	ESV:	Bearing [True]: 276.0° to 306.0° Bearing [Mag]: 290.0° to 320.0°				Arc Distance: Out to 101.0 NM Altitude: 7900.0 to 18000.0 ft		

DME DME Assessment Results for WIPOR4 path ALB_SHIGY

Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Miles CTR Carpenter
Project File:	C:\Users\Miles CTR Carpenter\Desktop\02.20.2025 PUB DATE PROCEDURES\KPVD WIPOR4 (RNAV) STAR\KPVD WIPOR4 (RNAV) STAR DME_DME 20241104.tgs
Output File:	C:\Users\Miles CTR Carpenter\Desktop\02.20.2025 PUB DATE PROCEDURES\KPVD WIPOR4 (RNAV) STAR\KPVD [IFPA] WIPOR4 20241104_0551 EST\ALB_SHIGY\KPVD WIPOR4 RNAV STAR ALB SHIGY 20241104_0551 EST.pdf
Procedure Name:	WIPOR4
Software: DmeDmePlugin:	7.4.0
Date/Time:	11/04/2024 05:51 EST
Databases:	DTED3

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
ALB	WP	N42° 44' 50.21", W073° 48' 11.46"	8000	VNAV	200	FLY_BY	TF
SHIGY	WP	N42° 23' 57.95", W073° 19' 00.98"	8000	VNAV	200	FLY_BY	TF

Flyability

Flight Type:	RNAV_STAR
Selected Airport:	KPVD [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 WIPOR4 path ALB_SHIGY

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:	Not enabled
Disabled DMEs:	None

DME/DME (Continued)										
DMEs Used										
#	Name	Lat/Lon	MAGVAR	Range	Type	Source	Critical	Status	Time	Distance
1	CTR	N42° 17' 28.75", W072° 56' 57.82"	13.0 W	40	L		NO	Enabled	74.4 %	74.4 %
2	CEF	N42° 11' 51.16", W072° 31' 34.73"	14.0 W	40	L		NO	Enabled	3.7 %	3.7 %
3	ALB	N42° 44' 50.21", W073° 48' 11.46"	13.0 W	40	L		NO	Enabled	89.8 %	89.8 %
4	BAF	N42° 09' 43.05", W072° 42' 58.32"	14.0 W	40	L		NO	Enabled	12.6 %	12.6 %
5	BYT	N41° 55' 50.02", W072° 41' 59.54"	0.0 E	40	L		NO	Enabled	1.3 %	1.3 %
6	CAM	N42° 59' 39.44", W073° 20' 38.47"	14.0 W	40	L		NO	Enabled	100 %	100 %
7	PUT	N41° 57' 19.66", W071° 50' 38.74"	14.0 W	130	H		NO	Enabled	100 %	100 %
8	EEN	N42° 47' 39.40", W072° 17' 30.40"	-0.0 E	40	L		NO	Enabled	100 %	100 %
9	PVD	N41° 43' 27.63", W071° 25' 46.71"	14.0 W	130	DH		NO	Enabled	18 %	18 %

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	PUT	CAM	EEN			
3.1	CAM	ALB	PUT	EEN		
7.7	CTR	CAM	ALB	PUT	EEN	

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

Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
ALB	SHIGY	CTR, CEF, ALB, BAF, BYT, CAM, PUT, EEN, PVD	

DME DME Assessment Results for WIPOR4 path ALB_SHIGY

User Data Files

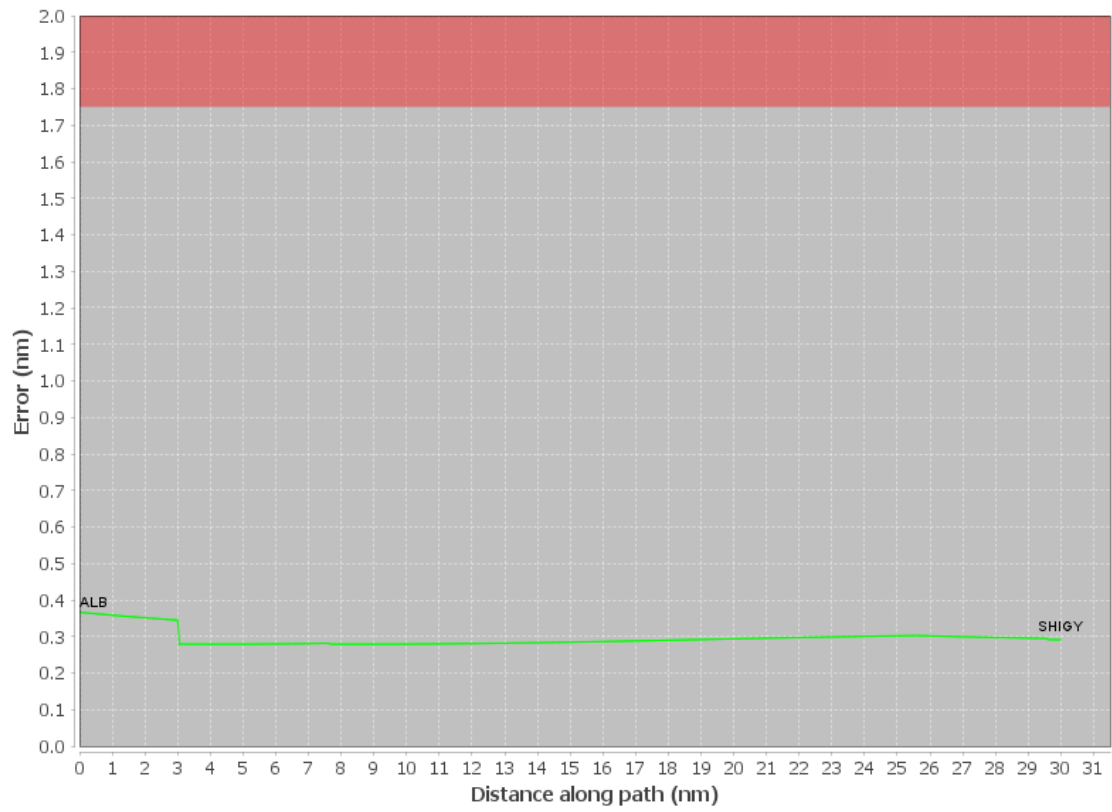
#	File Name
1	UserDMEsKPVD [IFPA] WIPOR4 RNAV STAR_20240320_1437 EDT.udt

User DMEs

#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	UDT ESV FQM FQM	N41° 20' 18.81", W076° 46' 29.52"	9.0 W	40	2098	114.4	UDT ESV FQM	
	ESV:	Bearing [True]: 1.0° to 21.0° Bearing [Mag]: 10.0° to 30.0°				Arc Distance: Out to 78.0 NM Altitude: 7900.0 to 18000.0 ft		
2	UDT ESV EEN EEN	N42° 47' 39.40", W072° 17' 30.40"	0.0 E	130	1380	114.35	UDT ESV EEN	
	ESV:	Bearing [True]: 240.0° to 275.0° Bearing [Mag]: 240.0° to 275.0°				Arc Distance: Out to 98.0 NM Altitude: 7900.0 to 18000.0 ft		
3	UDT ESV CMK CMK	N41° 16' 48.32", W073° 34' 52.78"	12.0 W	40	692.8	116.6	UDT ESV CMK	
	ESV:	Bearing [True]: 288.0° to 323.0° Bearing [Mag]: 300.0° to 335.0°				Arc Distance: Out to 95.0 NM Altitude: 7900.0 to 18000.0 ft		
4	UDT ESV HUO HUO	N41° 24' 34.87", W074° 35' 29.74"	11.0 W	130	1300.3	116.1	UDT ESV HUO	
	ESV:	Bearing [True]: 339.0° to 24.0° Bearing [Mag]: 350.0° to 35.0°				Arc Distance: Out to 65.0 NM Altitude: 7900.0 to 15900.0 ft		
5	UDT ESV PUT PUT	N41° 57' 19.66", W071° 50' 38.74"	14.0 W	130	652	117.4	UDT ESV PUT	
	ESV:	Bearing [True]: 276.0° to 306.0° Bearing [Mag]: 290.0° to 320.0°				Arc Distance: Out to 101.0 NM Altitude: 7900.0 to 18000.0 ft		

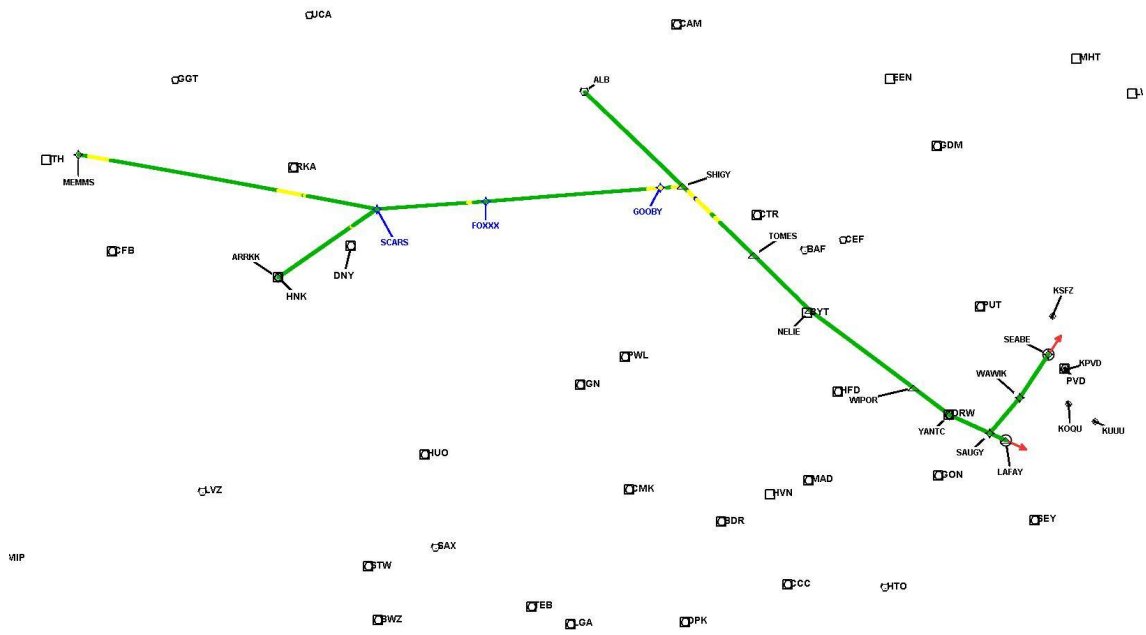
DME DME Assessment Results for WIPOR4 path ALB_SHIGY

DME Error



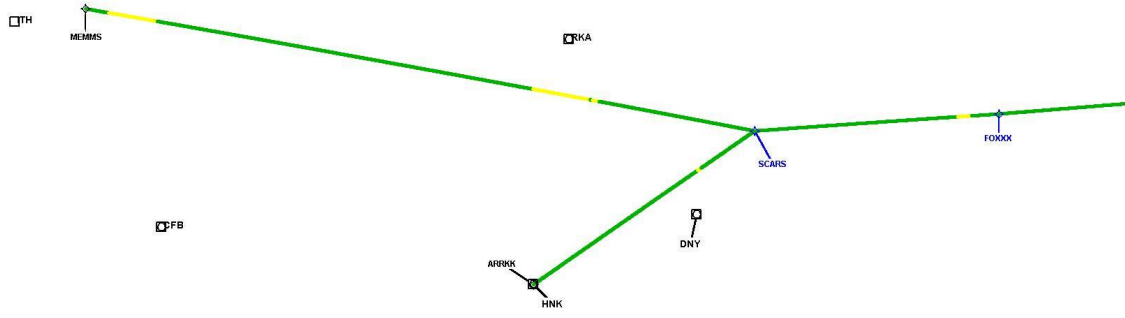
DME DME Assessment Results for WIPOR4 path ALB_SHIGY

Graphic Depiction 1



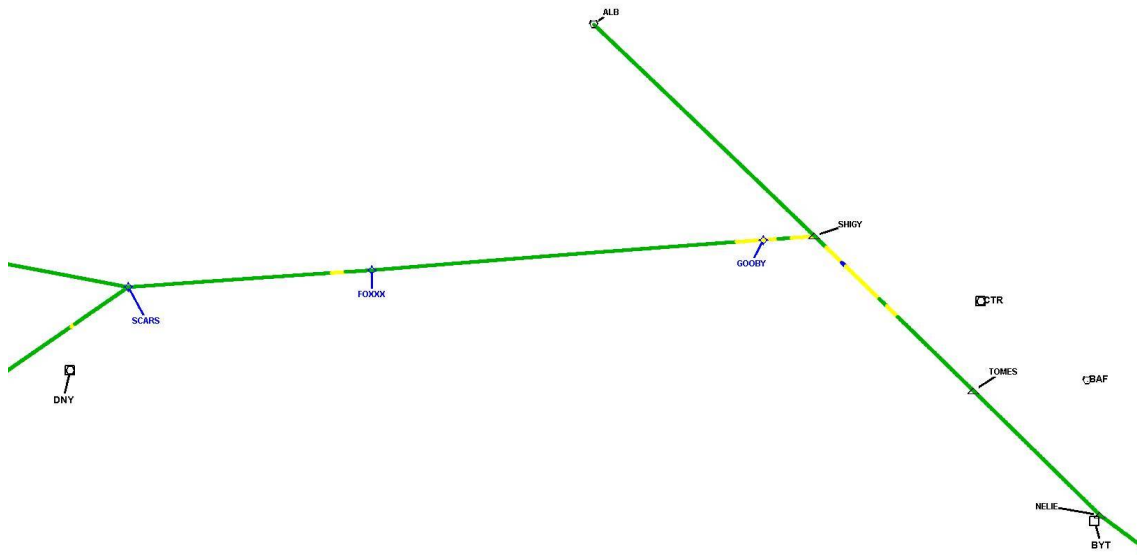
DME DME Assessment Results for WIPOR4 path ALB_SHIGY

Graphic Depiction 2



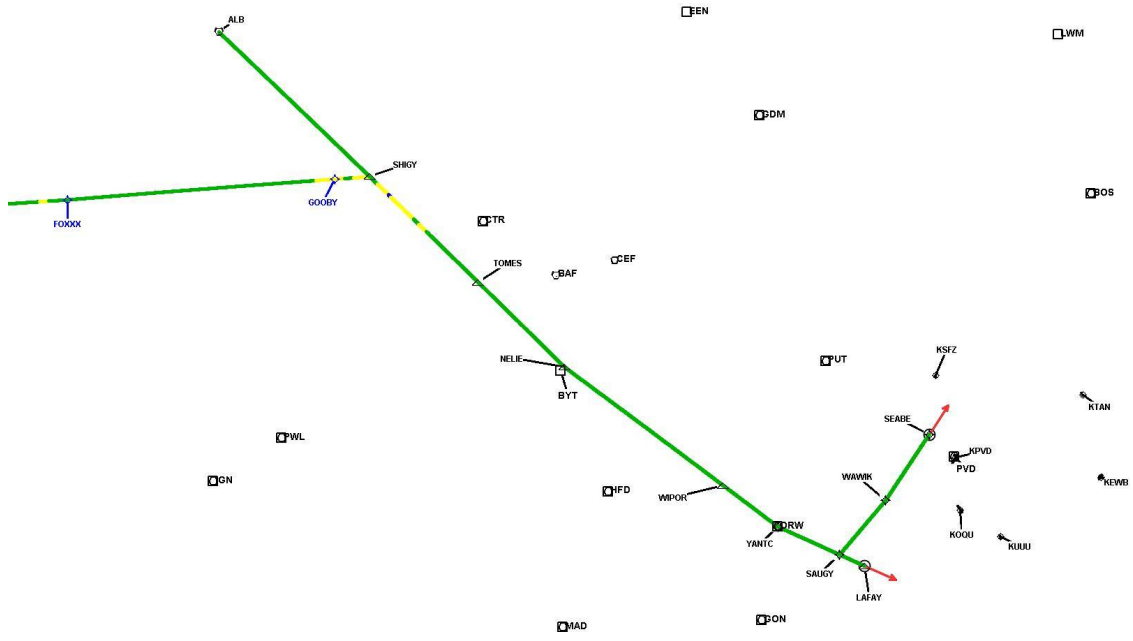
DME DME Assessment Results for WIPOR4 path ALB_SHIGY

Graphic Depiction 3



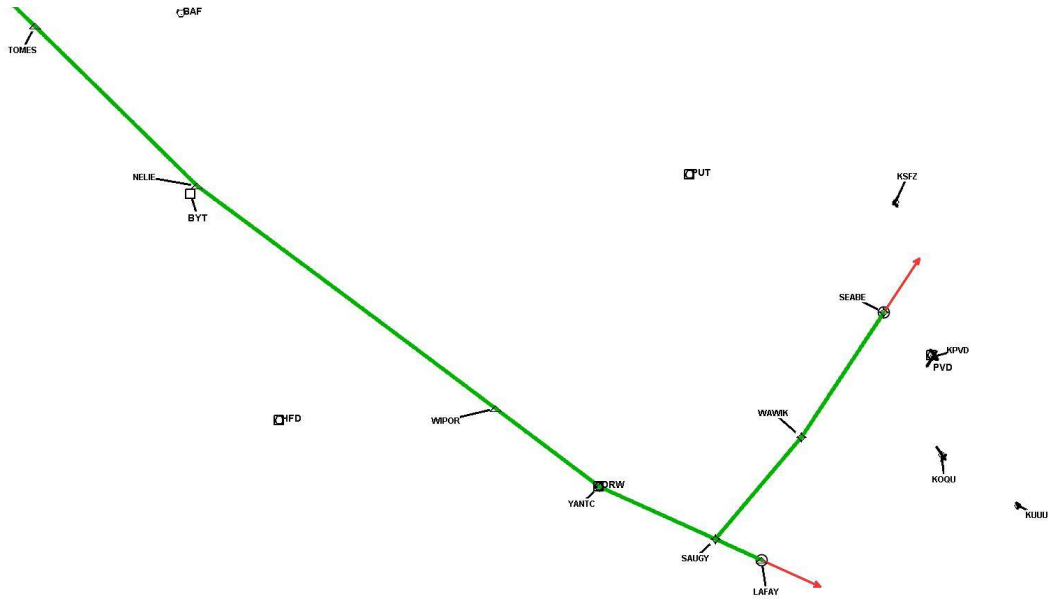
DME DME Assessment Results for WIPOR4 path ALB_SHIGY

Graphic Depiction 4



DME DME Assessment Results for WIPOR4 path ALB_SHIGY

Graphic Depiction 5



DME DME Assessment Results for WIPOR4 path ARKK_SEABE

Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Miles CTR Carpenter
Project File:	C:\Users\Miles CTR Carpenter\Desktop\02.20.2025 PUB DATE PROCEDURES\KPVD WIPOR4 (RNAV) STAR\KPVD WIPOR4 (RNAV) STAR DME_DME 20241104.tgs
Output File:	C:\Users\Miles CTR Carpenter\Desktop\02.20.2025 PUB DATE PROCEDURES\KPVD WIPOR4 (RNAV) STAR\KPVD [IFPA] WIPOR4 20241104_0551 EST\ARRKK_SEABE\KPVD WIPOR4 RNAV STAR ARKK SEABE 20241104_0551 EST.pdf
Procedure Name:	WIPOR4
Software: DmeDmePlugin:	7.4.0
Date/Time:	11/04/2024 05:51 EST
Databases:	DTED3

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
ARRKK	WP	N42° 03' 48.52", W075° 19' 00.41"	8000	VNAV	200	FLY_BY	TF
SCARS	WP	N42° 18' 56.70", W074° 49' 47.35"	8000	VNAV	200	FLY_BY	TF
FOXXX	WP	N42° 20' 37.11", W074° 17' 31.07"	8000	VNAV	200	FLY_BY	TF
GOOBY	WP	N42° 23' 36.34", W073° 25' 45.62"	8000	VNAV	200	FLY_BY	TF
SHIGY	WP	N42° 23' 57.95", W073° 19' 00.98"	8000	VNAV	200	FLY_BY	TF
TOMES	WP	N42° 08' 43.27", W072° 58' 01.44"	8000	VNAV	200	FLY_BY	TF
NELIE	WP	N41° 56' 27.64", W072° 41' 18.88"	8000	VNAV	200	FLY_BY	TF
WIPOR	WP	N41° 39' 23.07", W072° 10' 37.67"	6000	VNAV	200	FLY_BY	TF
YANTC	WP	N41° 33' 22.81", W071° 59' 56.95"	5000	VNAV	200	FLY_BY	TF
SAUGY	WP	N41° 29' 22.03", W071° 48' 01.95"	4000	VNAV	200	FLY_BY	TF
WAWIK	WP	N41° 37' 11.58", W071° 39' 09.45"	4000	VNAV	200	FLY_BY	TF
SEABE	WP	N41° 46' 44.52", W071° 30' 42.26"	4000	VNAV	200	FLY_OVER	TF

DME DME Assessment Results for WIPOR4 path ARKK SEABE

Flyability	
Flight Type:	RNAV_STAR
Selected Airport:	KPVD [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:	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:	Not enabled
Disabled DMEs:	None

DME DME Assessment Results for WIPOR4 path ARKK SEABE

DME/DME (Continued)										
DMEs Used										
#	Name	Lat/Lon	MAGVAR	Range	Type	Source	Critical	Status	Time	Distance
1	CMK	N41° 16' 48.32", W073° 34' 52.78"	12.0 W	40	L		NO	Enabled	15.4 %	15.4 %
2	CTR	N42° 17' 28.75", W072° 56' 57.82"	13.0 W	40	L		NO	Enabled	36.6 %	36.6 %
3	HUO	N41° 24' 34.87", W074° 35' 29.74"	11.0 W	130	H		NO	Enabled	20.8 %	20.7 %
4	HNK	N42° 03' 47.01", W075° 18' 58.62"	11.0 W	130	H		NO	Enabled	17 %	17 %
5	PWL	N41° 46' 11.18", W073° 36' 01.99"	12.0 W	40	L		NO	Enabled	10.2 %	10.2 %
6	CEF	N42° 11' 51.16", W072° 31' 34.73"	14.0 W	40	L		NO	Enabled	26.1 %	26.1 %
7	SEY	N41° 10' 02.52", W071° 34' 34.76"	15.0 W	40	L		NO	Enabled	20 %	20 %
8	BAF	N42° 09' 43.05", W072° 42' 58.32"	14.0 W	40	L		NO	Enabled	34.3 %	34.3 %
9	BOS	N42° 21' 26.82", W070° 59' 22.37"	16.0 W	130	DH		NO	Enabled	48.3 %	48.4 %
10	HFD	N41° 38' 27.98", W072° 32' 50.70"	13.0 W	40	L		NO	Enabled	35.9 %	36 %
11	GON	N41° 19' 49.45", W072° 03' 07.14"	14.0 W	25	T		NO	Enabled	15.8 %	15.8 %
12	RKA	N42° 27' 58.79", W075° 14' 21.22"	11.0 W	40	L		NO	Enabled	23.5 %	23.5 %
13	DNY	N42° 10' 41.81", W074° 57' 24.99"	11.0 W	40	L		NO	Enabled	26 %	26 %
14	PUT	N41° 57' 19.66", W071° 50' 38.74"	14.0 W	130	H		NO	Enabled	47.1 %	47.1 %
15	CAM	N42° 59' 39.44", W073° 20' 38.47"	14.0 W	40	L		NO	Enabled	6.3 %	6.3 %
16	EEN	N42° 47' 39.40", W072° 17' 30.40"	-0.0 E	40	L		NO	Enabled	21.2 %	21.2 %
17	MAD	N41° 18' 49.90", W072° 41' 31.93"	13.0 W	40	L		NO	Enabled	19.1 %	19.1 %
18	ORW	N41° 33' 23.05", W071° 59' 57.67"	14.0 W	40	L		NO	Enabled	31.8 %	31.8 %
19	ALB	N42° 44' 50.21", W073° 48' 11.46"	13.0 W	40	L		NO	Enabled	27.1 %	27.1 %
20	BYT	N41° 55' 50.02", W072° 41' 59.54"	0.0 E	40	L		NO	Enabled	35.1 %	35.1 %
21	CFB	N42° 09' 26.97", W076° 08' 11.30"	10.0 W	40	L		NO	Enabled	0.1 %	0.1 %
22	PVD	N41° 43' 27.63", W071° 25' 46.71"	14.0 W	130	DH		NO	Enabled	48.9 %	48.9 %

DME DME Assessment Results for WIPOR4 path ARKK_SEABE

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	RKA	CFB	DNY	CMK		
0.3	DNY	RKA	CMK			
5.1	DNY	RKA	CMK	HNK		
14.2	HNK	RKA	CMK			
17.6	HNK	RKA	HUO	CMK		
19.6	HNK	RKA	DNY			
20.1	HNK	RKA	HUO	CMK	DNY	
32.0	HUO	HNK	RKA	DNY		
39.8	HUO	RKA	DNY			
43.9	HUO	RKA	DNY	ALB		
45.8	HUO	RKA	DNY	ALB	EEN	
47.8	HUO	DNY	EEN			
52.2	HUO	DNY	EEN	ALB		
58.6	EEN	HUO	ALB			
60.3	EEN	ALB				
62.7	PUT	ALB	EEN			
71.5	CTR	ALB	EEN	PUT		
86.2	CTR	CAM	PWL	ALB		
86.6	CTR	CAM	PWL	PVD	ALB	
90.4	CTR	CAM	EEN	ALB	BAF	PUT
91.6	PWL	CEF	CTR	BAF	CAM	PVD
94.0	EEN	BYT	ALB	CEF	CAM	CTR
95.5	CTR	PWL	CEF	BAF	CAM	ALB
97.7						
98.2	PWL	BAF	CEF	CTR	ALB	CAM
99.7	PWL	BAF	CEF	CTR	ALB	BYT
102.8	BOS	BYT	ALB	CEF		
102.9	CTR	BYT	BOS	ALB	CEF	
104.1	PWL	BAF	BYT	CEF	PVD	CTR
105.3	CTR	BYT	BOS	CEF		
107.5	CTR	BYT	BOS	CEF	BAF	
109.1	PWL	BYT	PVD	BAF	CEF	BOS
114.5	CTR	BAF	PVD	CEF	HFD	BOS
137.3	HFD	PUT	BAF	MAD	CEF	BYT
145.4	BAF	PUT	BOS	MAD	BYT	HFD
161.9	ORW	PUT	BYT	GON	PVD	MAD
168.7	BOS	SEY	HFD	GON	BYT	MAD
172.3	HFD	GON	PUT	BOS	SEY	MAD
173.6	HFD	PUT	GON	SEY	PVD	MAD
173.9	HFD	PUT	GON	SEY	PVD	
185.5	ORW	PUT	SEY	PVD	GON	BOS
191.3	SEY	ORW	PUT	PVD	BOS	
199.8	BOS	PUT	ORW	SEY		

Inertial Drift Segments			
#	Start Location	End Location	Length [NM]
1	N42° 21' 22.29", W073° 15' 25.53"	N42° 21' 01.37", W073° 14' 56.61"	0.4992

DME DME Assessment Results for WIPOR4 path ARKK SEABE

Available DMEs by Waypoints

Waypoint Before	Waypoint After	DME List	Suggested DMEs
ARRKK	SCARS	CMK, HUO, HNK, RKA, DNY, CFB	
SCARS	FOXXX	CMK, HUO, HNK, ALB, RKA, DNY, EEN	
FOXXX	GOOBY	CTR, HUO, PWL, ALB, BAF, DNY, PUT, CAM, EEN, PVD	
GOOBY	SHIGY	CTR, PWL, CEF, ALB, BAF, BYT, CAM, PUT, PVD, EEN	
SHIGY	TOMES	CTR, PWL, CEF, BAF, ALB, BOS, HFD, BYT, CAM, PUT, PVD, EEN	
TOMES	NELIE	CTR, CEF, ORW, BOS, BAF, HFD, BYT, PVD	
NELIE	WIPOR	CTR, MAD, CEF, ORW, BOS, HFD, BAF, GON, BYT, PUT, PVD	
WIPOR	YANTC	MAD, ORW, SEY, HFD, BAF, GON, BOS, BYT, PUT, PVD	
YANTC	SAUGY	MAD, ORW, SEY, HFD, BOS, GON, BYT, PUT, PVD	
SAUGY	WAWIK	ORW, SEY, HFD, BOS, GON, PUT, PVD	
WAWIK	SEABE	ORW, SEY, BOS, PUT, PVD	

User Data Files

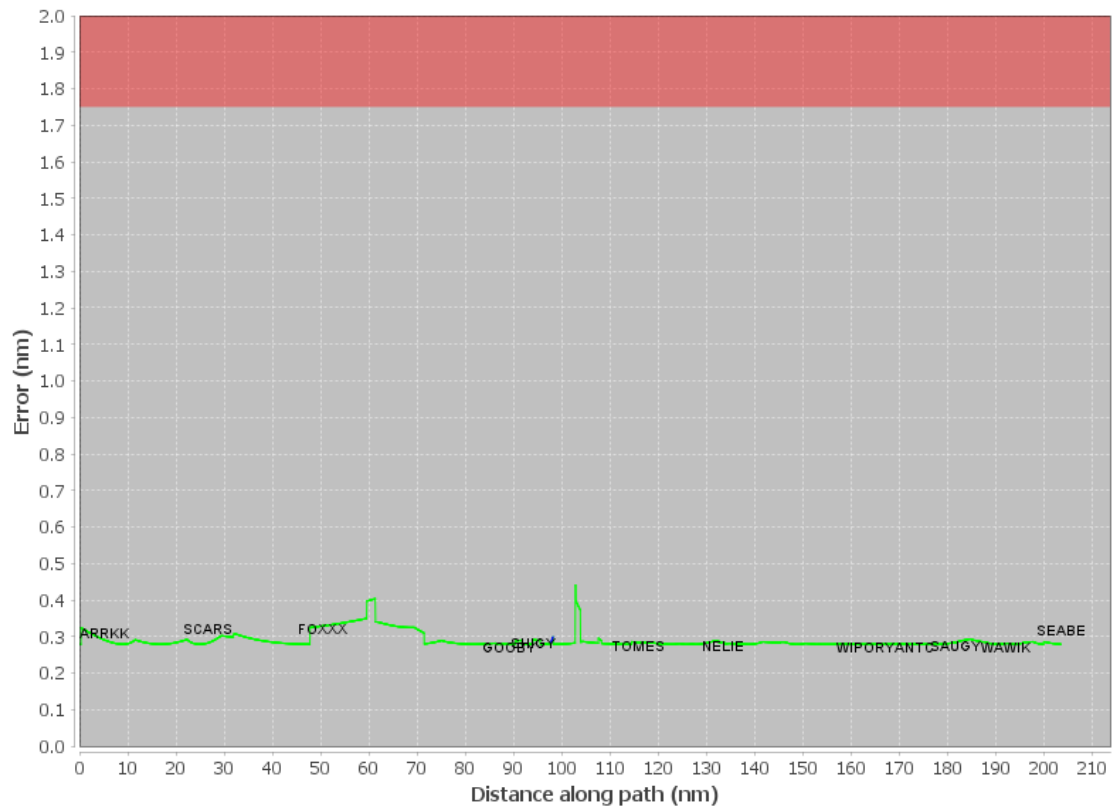
#	File Name
1	UserDMEsKPVD [IFPA] WIPOR4 RNAV STAR_20240320_1437 EDT.udt

User DMEs

#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	UDT ESV FQM FQM	N41° 20' 18.81", W076° 46' 29.52"	9.0 W	40	2098	114.4	UDT ESV FQM	
	ESV:	Bearing [True]: 1.0° to 21.0° Bearing [Mag]: 10.0° to 30.0°				Arc Distance: Out to 78.0 NM Altitude: 7900.0 to 18000.0 ft		
2	UDT ESV EEN EEN	N42° 47' 39.40", W072° 17' 30.40"	0.0 E	130	1380	114.35	UDT ESV EEN	
	ESV:	Bearing [True]: 240.0° to 275.0° Bearing [Mag]: 240.0° to 275.0°				Arc Distance: Out to 98.0 NM Altitude: 7900.0 to 18000.0 ft		
3	UDT ESV CMK CMK	N41° 16' 48.32", W073° 34' 52.78"	12.0 W	40	692.8	116.6	UDT ESV CMK	
	ESV:	Bearing [True]: 288.0° to 323.0° Bearing [Mag]: 300.0° to 335.0°				Arc Distance: Out to 95.0 NM Altitude: 7900.0 to 18000.0 ft		
4	UDT ESV HUO HUO	N41° 24' 34.87", W074° 35' 29.74"	11.0 W	130	1300.3	116.1	UDT ESV HUO	
	ESV:	Bearing [True]: 339.0° to 24.0° Bearing [Mag]: 350.0° to 35.0°				Arc Distance: Out to 65.0 NM Altitude: 7900.0 to 15900.0 ft		
5	UDT ESV PUT PUT	N41° 57' 19.66", W071° 50' 38.74"	14.0 W	130	652	117.4	UDT ESV PUT	
	ESV:	Bearing [True]: 276.0° to 306.0° Bearing [Mag]: 290.0° to 320.0°				Arc Distance: Out to 101.0 NM Altitude: 7900.0 to 18000.0 ft		

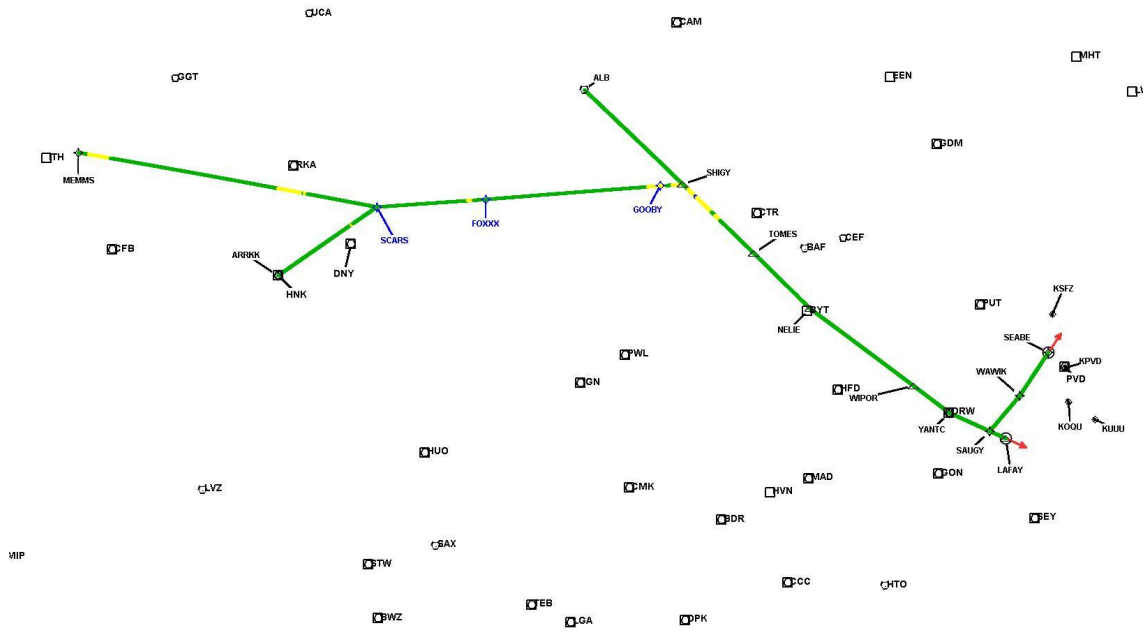
DME DME Assessment Results for WIPOR4 path ARRKK_SEABE

DME Error



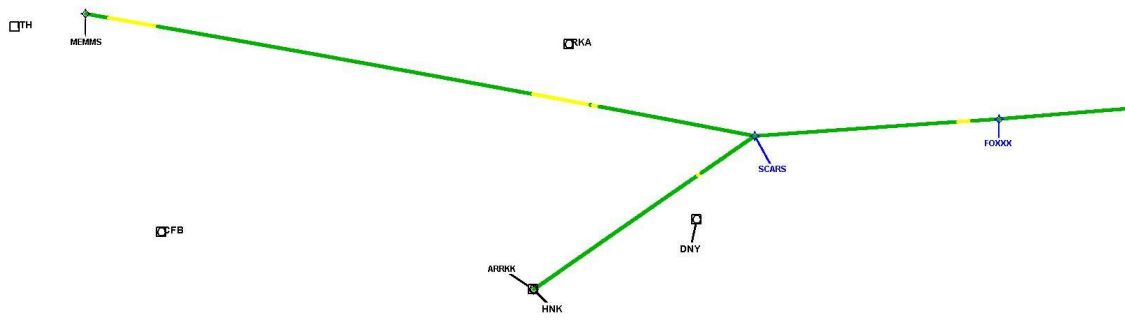
DME DME Assessment Results for WIPOR4 path ARRKK_SEABE

Graphic Depiction 1



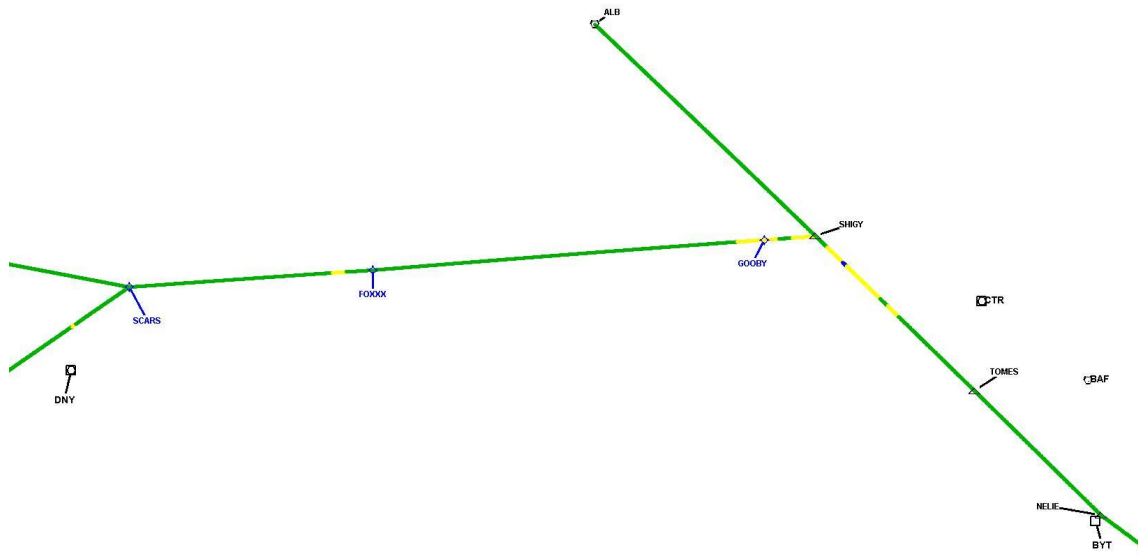
DME DME Assessment Results for WIPOR4 path ARRKK_SEABE

Graphic Depiction 2



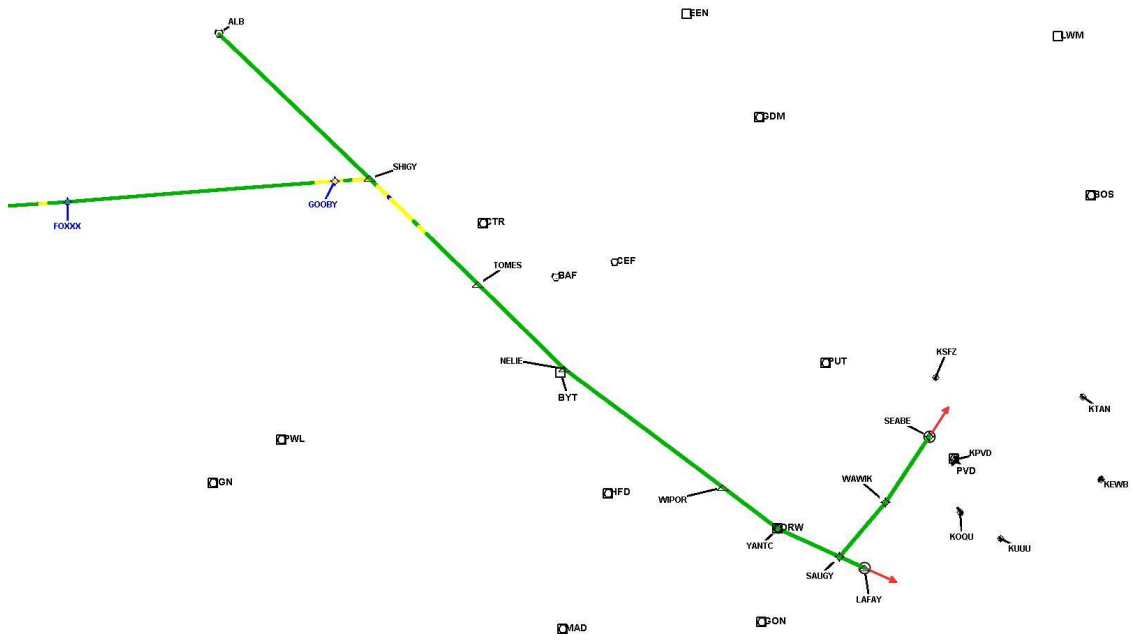
DME DME Assessment Results for WIPOR4 path ARRKK_SEABE

Graphic Depiction 3



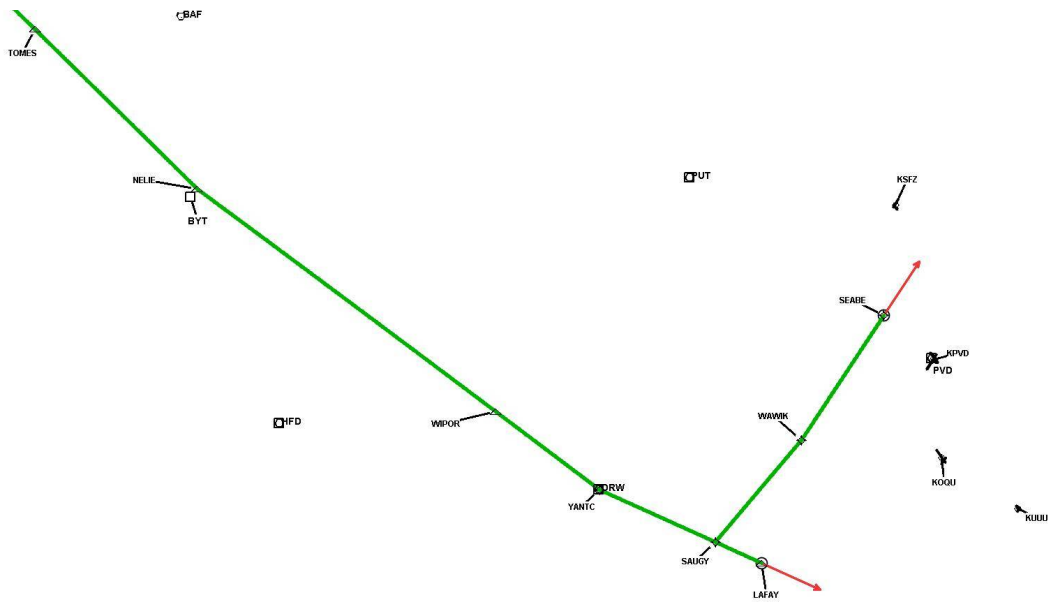
DME DME Assessment Results for WIPOR4 path ARRKK_SEABE

Graphic Depiction 4



DME DME Assessment Results for WIPOR4 path ARRKK_SEABE

Graphic Depiction 5



DME DME Assessment Results for WIPOR4 path MEMMS_SCARS

Results Summary	
Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Miles CTR Carpenter
Project File:	C:\Users\Miles CTR Carpenter\Desktop\02.20.2025 PUB DATE PROCEDURES\KPVD WIPOR4 (RNAV) STAR\KPVD WIPOR4 (RNAV) STAR DME_DME 20241104.tgs
Output File:	C:\Users\Miles CTR Carpenter\Desktop\02.20.2025 PUB DATE PROCEDURES\KPVD WIPOR4 (RNAV) STAR\KPVD [IFPA] WIPOR4 20241104_0551 EST\MEMMS_SCARS\KPVD WIPOR4 RNAV STAR MEMMS SCARS 20241104_0551 EST.pdf
Procedure Name:	WIPOR4
Software: DmeDmePlugin:	7.4.0
Date/Time:	11/04/2024 05:51 EST
Databases:	DTED3

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
MEMMS	WP	N42° 30' 59.71", W076° 18' 15.43"	8000	VNAV	200	FLY_BY	TF
SCARS	WP	N42° 18' 56.70", W074° 49' 47.35"	8000	VNAV	200	FLY_BY	TF

Flyability	
Flight Type:	RNAV_STAR
Selected Airport:	KPVD [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 WIPOR4 path MEMMS_SCARS

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:	Not enabled
Disabled DMEs:	None

DME/DME (Continued)										
DMEs Used										
#	Name	Lat/Lon	MAGVAR	Range	Type	Source	Critical	Status	Time	Distance
1	CMK	N41° 16' 48.32", W073° 34' 52.78"	12.0 W	40	L		NO	Enabled	12 %	12 %
2	UCA	N43° 01' 35.45", W075° 09' 52.28"	12.0 W	40	L		NO	Enabled	9.4 %	9.4 %
3	FQM	N41° 20' 18.81", W076° 46' 29.52"	9.0 W	40	L		NO	Enabled	3.3 %	3.3 %
4	HUO	N41° 24' 34.87", W074° 35' 29.74"	11.0 W	130	H		NO	Enabled	8.3 %	8.3 %
5	HNK	N42° 03' 47.01", W075° 18' 58.62"	11.0 W	130	H		NO	Enabled	77 %	77 %
6	GGT	N42° 47' 20.24", W075° 49' 36.29"	11.0 W	40	L		NO	Enabled	76.2 %	76.2 %
7	RKA	N42° 27' 58.79", W075° 14' 21.22"	11.0 W	40	L		NO	Enabled	87.4 %	87.4 %
8	ITH	N42° 29' 42.10", W076° 27' 35.02"	-0.0 E	40	L		NO	Enabled	49.5 %	49.5 %
9	SYR	N43° 09' 37.87", W076° 12' 16.41"	11.0 W	130	H		NO	Enabled	7.2 %	7.2 %
10	CFB	N42° 09' 26.97", W076° 08' 11.30"	10.0 W	40	L		NO	Enabled	67 %	67 %
11	DNY	N42° 10' 41.81", W074° 57' 24.99"	11.0 W	40	L		NO	Enabled	62.8 %	62.8 %

DME DME Assessment Results for WIPOR4 path MEMMS_SCARS

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	CFB	ITH	GGT	FQM		
2.3	CFB	ITH	SYR	GGT		
7.1	CFB	ITH	GGT			
8.1	RKA	CFB	ITH	GGT		
15.3	GGT	ITH	RKA	HNK	CFB	
33.0	HNK	CFB	GGT	RKA	DNY	
43.3	RKA	GGT	DNY	HNK		
44.5	DNY	RKA	GGT	HNK	CFB	UCA
45.9	DNY	RKA	GGT	UCA	HNK	
50.2	HNK	DNY				
50.4	HNK	GGT	DNY	UCA	RKA	
51.1	HNK	DNY	RKA			
55.4	HNK	RKA	DNY	CMK		
57.9	HNK	RKA	CMK	HUO	DNY	
60.3	HNK	RKA	DNY			
63.5	DNY	RKA	HNK	CMK	HUO	

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

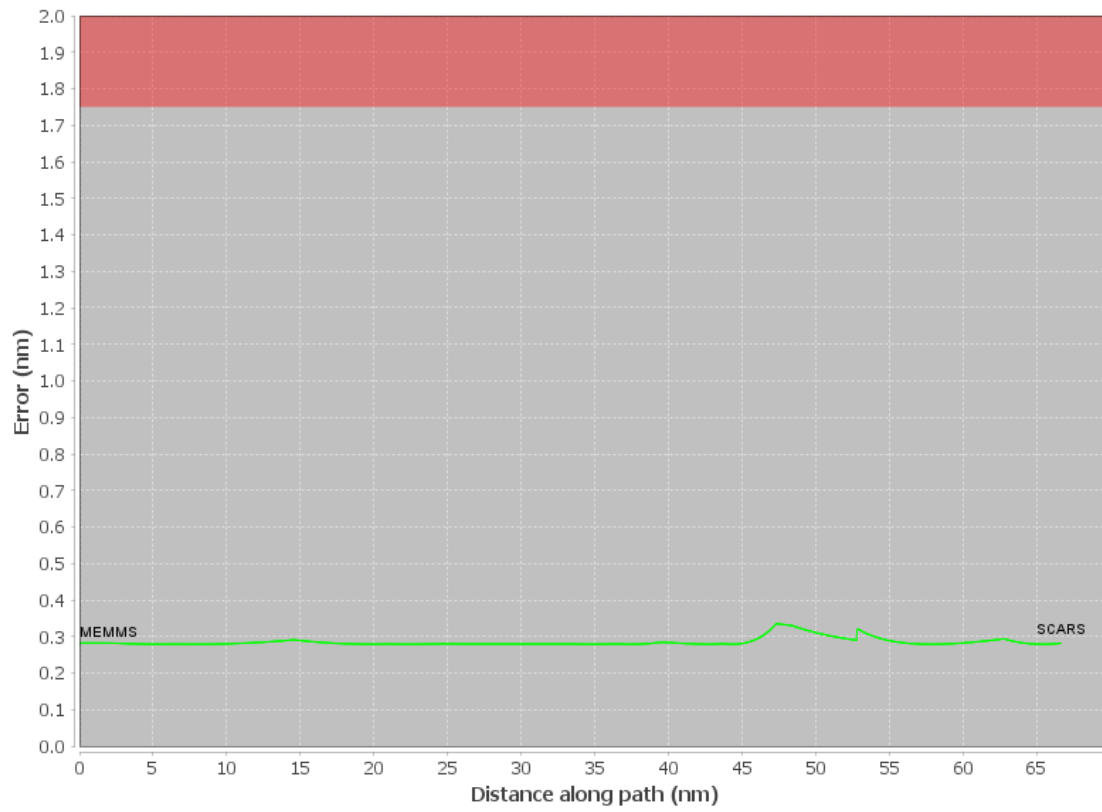
Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
MEMMS	SCARS	CMK, UCA, FQM, HUO, HNK, GGT, RKA, ITH, SYR, CFB, DNY	

User Data Files								
#	File Name							
1	UserDMEsKPVD [IFPA] WIPOR4 RNAV STAR_20240320_1437 EDT.udt							

User DMEs								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	UDT ESV FQM FQM	N41° 20' 18.81", W076° 46' 29.52"	9.0 W	40	2098	114.4	UDT ESV FQM	
	ESV:	Bearing [True]: 1.0° to 21.0° Bearing [Mag]: 10.0° to 30.0°				Arc Distance: Out to 78.0 NM Altitude: 7900.0 to 18000.0 ft		
2	UDT ESV EEN EEN	N42° 47' 39.40", W072° 17' 30.40"	0.0 E	130	1380	114.35	UDT ESV EEN	
	ESV:	Bearing [True]: 240.0° to 275.0° Bearing [Mag]: 240.0° to 275.0°				Arc Distance: Out to 98.0 NM Altitude: 7900.0 to 18000.0 ft		
3	UDT ESV CMK CMK	N41° 16' 48.32", W073° 34' 52.78"	12.0 W	40	692.8	116.6	UDT ESV CMK	
	ESV:	Bearing [True]: 288.0° to 323.0° Bearing [Mag]: 300.0° to 335.0°				Arc Distance: Out to 95.0 NM Altitude: 7900.0 to 18000.0 ft		
4	UDT ESV HUO HUO	N41° 24' 34.87", W074° 35' 29.74"	11.0 W	130	1300.3	116.1	UDT ESV HUO	
	ESV:	Bearing [True]: 339.0° to 24.0° Bearing [Mag]: 350.0° to 35.0°				Arc Distance: Out to 65.0 NM Altitude: 7900.0 to 15900.0 ft		
5	UDT ESV PUT PUT	N41° 57' 19.66", W071° 50' 38.74"	14.0 W	130	652	117.4	UDT ESV PUT	
	ESV:	Bearing [True]: 276.0° to 306.0° Bearing [Mag]: 290.0° to 320.0°				Arc Distance: Out to 101.0 NM Altitude: 7900.0 to 18000.0 ft		

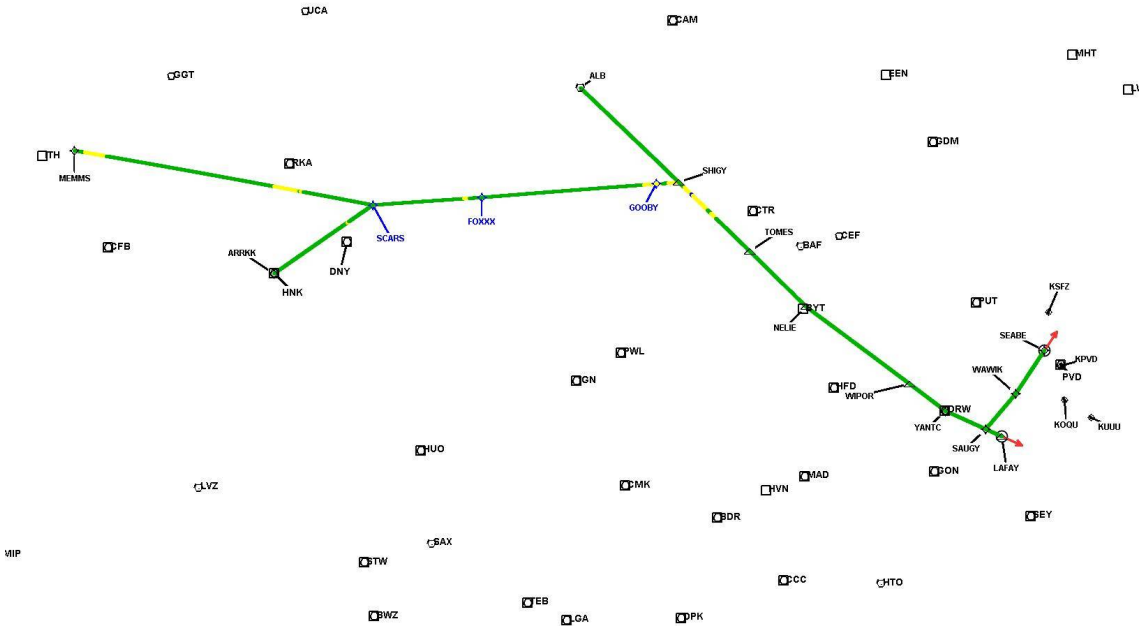
DME DME Assessment Results for WIPOR4 path MEMMS_SCARS

DME Error



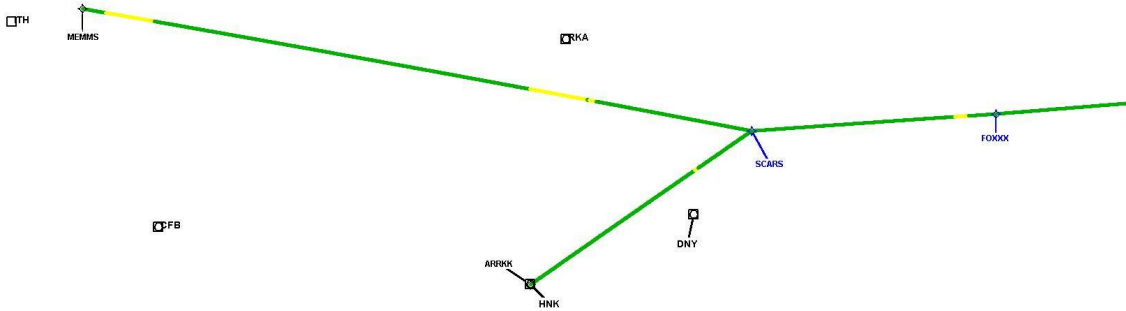
DME DME Assessment Results for WIPOR4 path MEMMS_SCARS

Graphic Depiction 1



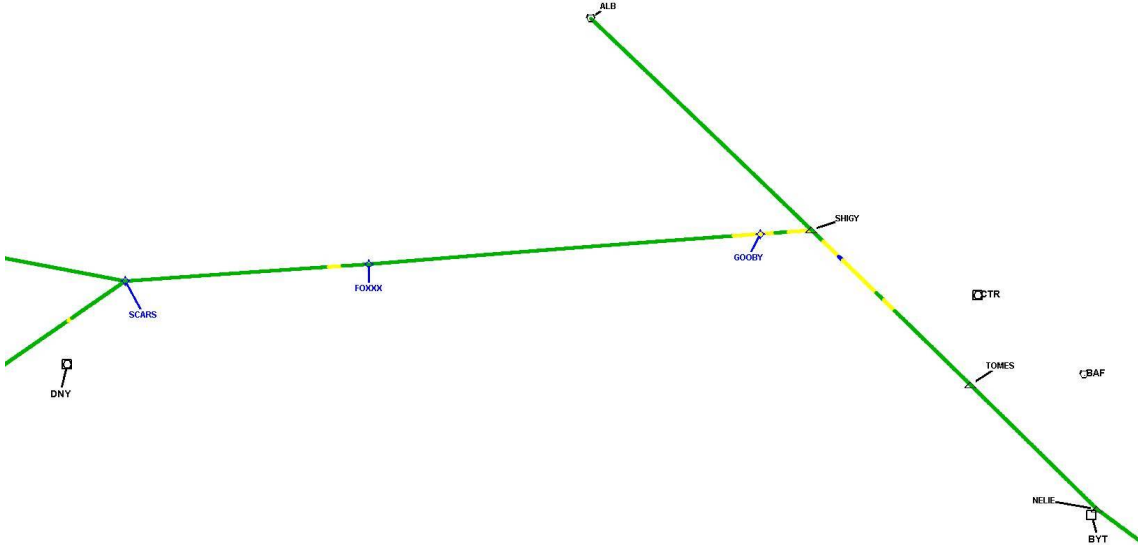
DME DME Assessment Results for WIPOR4 path MEMMS_SCARS

Graphic Depiction 2



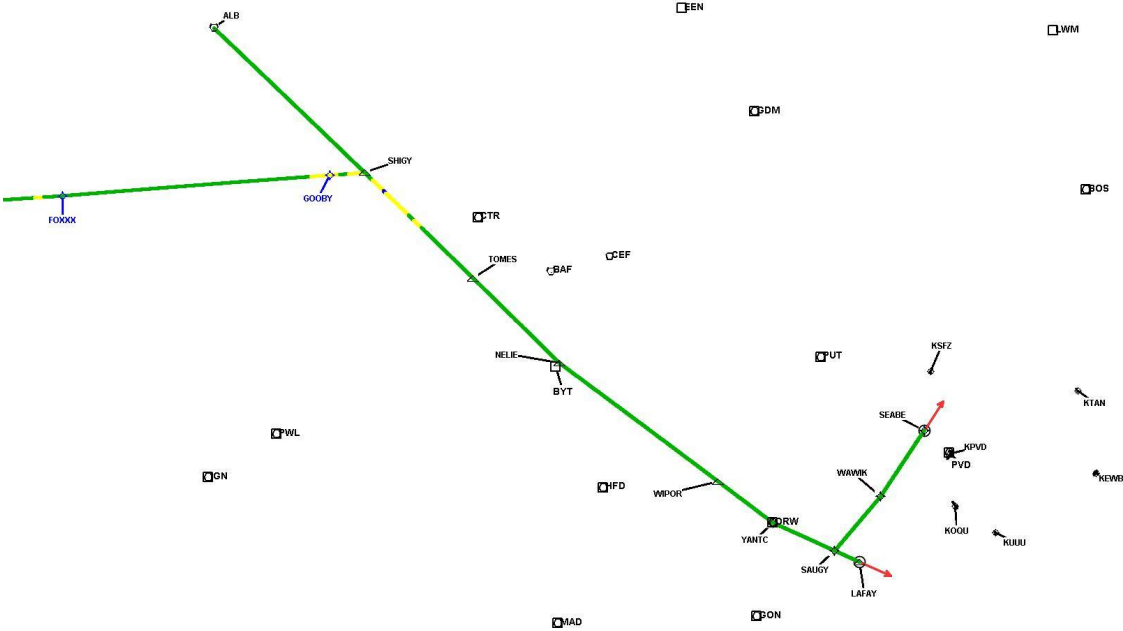
DME DME Assessment Results for WIPOR4 path MEMMS_SCARS

Graphic Depiction 3



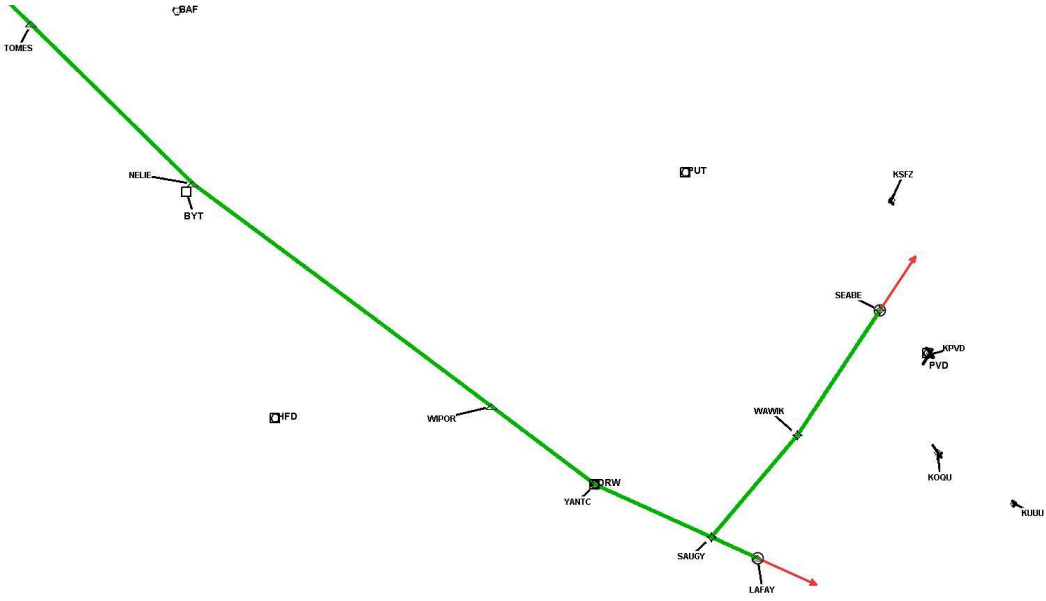
DME DME Assessment Results for WIPOR4 path MEMMS_SCARS

Graphic Depiction 4



DME DME Assessment Results for WIPOR4 path MEMMS_SCARS

Graphic Depiction 5



DME DME Assessment Results for WIPOR4 path SAUGY_LAFAY

Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Miles CTR Carpenter
Project File:	C:\Users\Miles CTR Carpenter\Desktop\02.20.2025 PUB DATE PROCEDURES\KPVD WIPOR4 (RNAV) STAR\KPVD WIPOR4 (RNAV) STAR DME_DME 20241104.tgs
Output File:	C:\Users\Miles CTR Carpenter\Desktop\02.20.2025 PUB DATE PROCEDURES\KPVD WIPOR4 (RNAV) STAR\KPVD [IFPA] WIPOR4 20241104_0551 EST\SAUGY_LAFAY\KPVD WIPOR4 RNAV STAR SAUGY LAFAY 20241104_0551 EST.pdf
Procedure Name:	WIPOR4
Software: DmeDmePlugin:	7.4.0
Date/Time:	11/04/2024 05:51 EST
Databases:	DTED3

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
SAUGY	WP	N41° 29' 22.03", W071° 48' 01.95"	4000	VNAV	200	FLY_BY	TF
LAFAY	WP	N41° 27' 45.22", W071° 43' 16.43"	2000	VNAV	200	FLY_OVER	TF

Flyability

Flight Type:	RNAV_STAR
Selected Airport:	KPVD [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 WIPOR4 path SAUGY_LAFAY

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:	Not enabled
Disabled DMEs:	None

DME/DME (Continued)										
DMEs Used										
#	Name	Lat/Lon	MAGVAR	Range	Type	Source	Critical	Status	Time	Distance
1	ORW	N41° 33' 23.05", W071° 59' 57.67"	14.0 W	40	L		NO	Enabled	100 %	100 %
2	SEY	N41° 10' 02.52", W071° 34' 34.76"	15.0 W	40	L		NO	Enabled	100 %	100 %
3	HFD	N41° 38' 27.98", W072° 32' 50.70"	13.0 W	40	L		NO	Enabled	100 %	100 %
4	BOS	N42° 21' 26.82", W070° 59' 22.37"	16.0 W	130	DH		NO	Enabled	1.4 %	1.4 %
5	GON	N41° 19' 49.45", W072° 03' 07.14"	14.0 W	25	T		NO	Enabled	100 %	100 %
6	PUT	N41° 57' 19.66", W071° 50' 38.74"	14.0 W	130	H		NO	Enabled	100 %	100 %
7	PVD	N41° 43' 27.63", W071° 25' 46.71"	14.0 W	130	DH		NO	Enabled	100 %	100 %

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	BOS	ORW	SEY	GON	PVD	HFD
0.1	SEY	GON	PVD	HFD	PUT	ORW

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

Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
SAUGY	LAFAY	ORW, SEY, HFD, BOS, GON, PUT, PVD	

DME DME Assessment Results for WIPOR4 path SAUGY_LAFAY

User Data Files

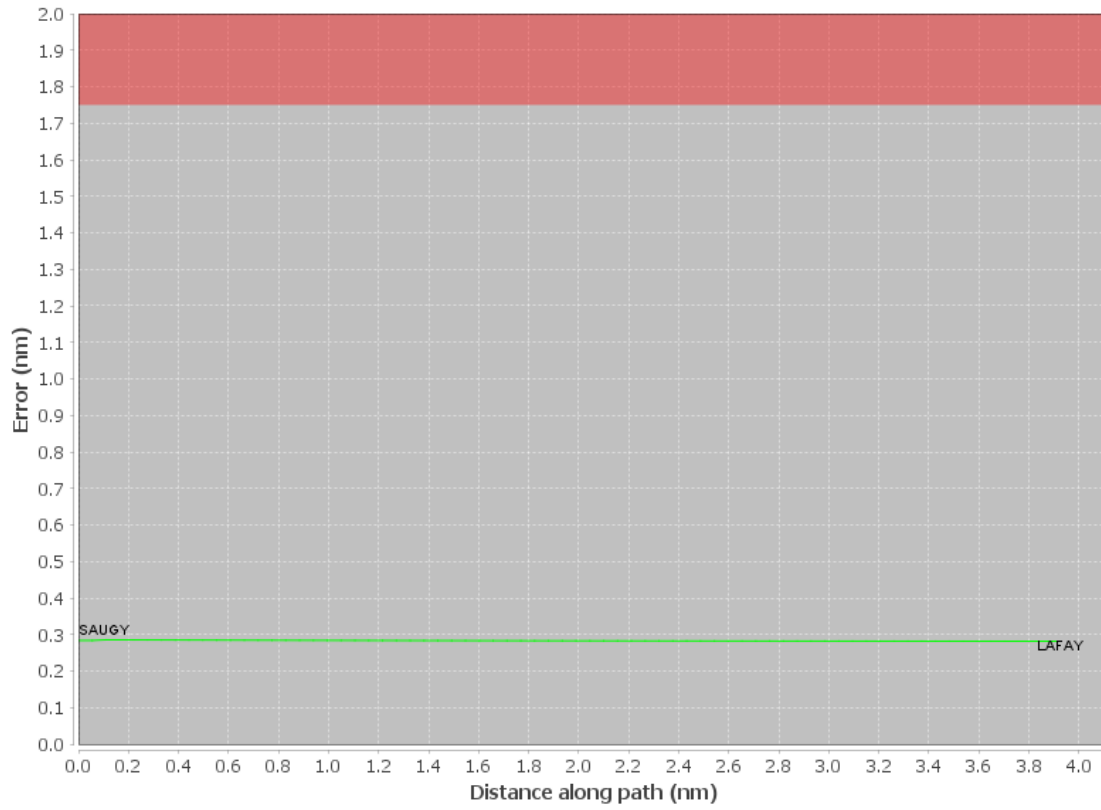
#	File Name
1	UserDMEsKPVD [IFPA] WIPOR4 RNAV STAR_20240320_1437 EDT.udt

User DMEs

#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	UDT ESV FQM FQM	N41° 20' 18.81", W076° 46' 29.52"	9.0 W	40	2098	114.4	UDT ESV FQM	
	ESV:	Bearing [True]: 1.0° to 21.0° Bearing [Mag]: 10.0° to 30.0°				Arc Distance: Out to 78.0 NM Altitude: 7900.0 to 18000.0 ft		
2	UDT ESV EEN EEN	N42° 47' 39.40", W072° 17' 30.40"	0.0 E	130	1380	114.35	UDT ESV EEN	
	ESV:	Bearing [True]: 240.0° to 275.0° Bearing [Mag]: 240.0° to 275.0°				Arc Distance: Out to 98.0 NM Altitude: 7900.0 to 18000.0 ft		
3	UDT ESV CMK CMK	N41° 16' 48.32", W073° 34' 52.78"	12.0 W	40	692.8	116.6	UDT ESV CMK	
	ESV:	Bearing [True]: 288.0° to 323.0° Bearing [Mag]: 300.0° to 335.0°				Arc Distance: Out to 95.0 NM Altitude: 7900.0 to 18000.0 ft		
4	UDT ESV HUO HUO	N41° 24' 34.87", W074° 35' 29.74"	11.0 W	130	1300.3	116.1	UDT ESV HUO	
	ESV:	Bearing [True]: 339.0° to 24.0° Bearing [Mag]: 350.0° to 35.0°				Arc Distance: Out to 65.0 NM Altitude: 7900.0 to 15900.0 ft		
5	UDT ESV PUT PUT	N41° 57' 19.66", W071° 50' 38.74"	14.0 W	130	652	117.4	UDT ESV PUT	
	ESV:	Bearing [True]: 276.0° to 306.0° Bearing [Mag]: 290.0° to 320.0°				Arc Distance: Out to 101.0 NM Altitude: 7900.0 to 18000.0 ft		

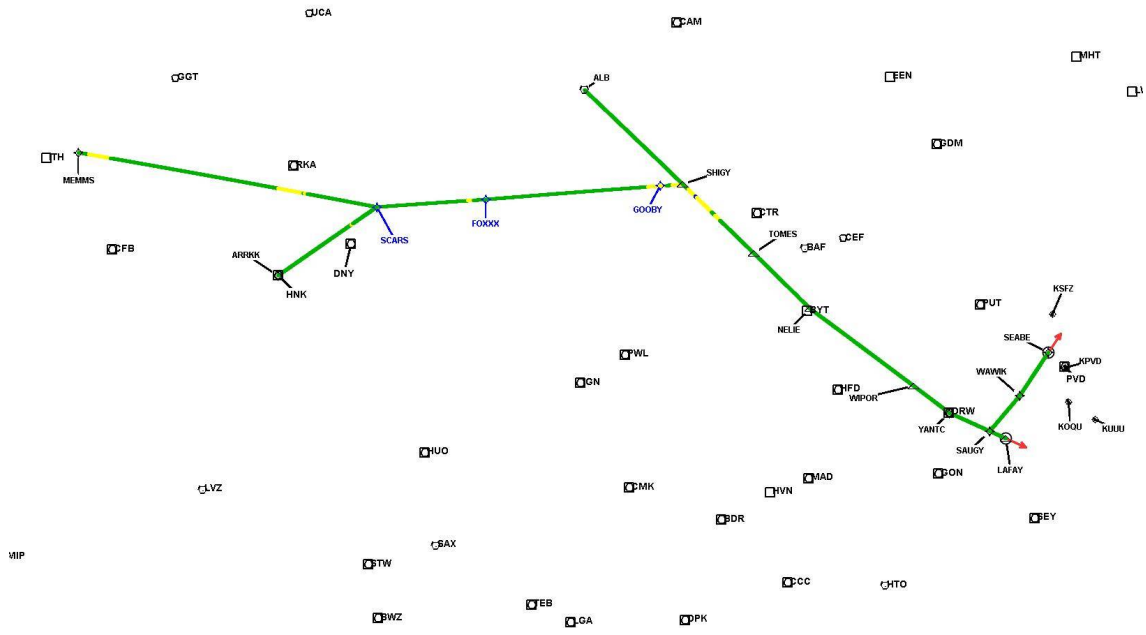
DME DME Assessment Results for WIPOR4 path SAUGY_LAFAY

DME Error



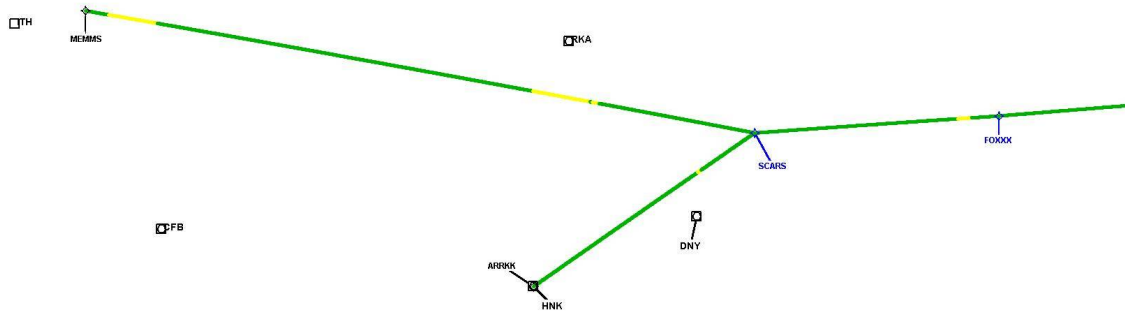
DME DME Assessment Results for WIPOR4 path SAUGY_LAFAY

Graphic Depiction 1



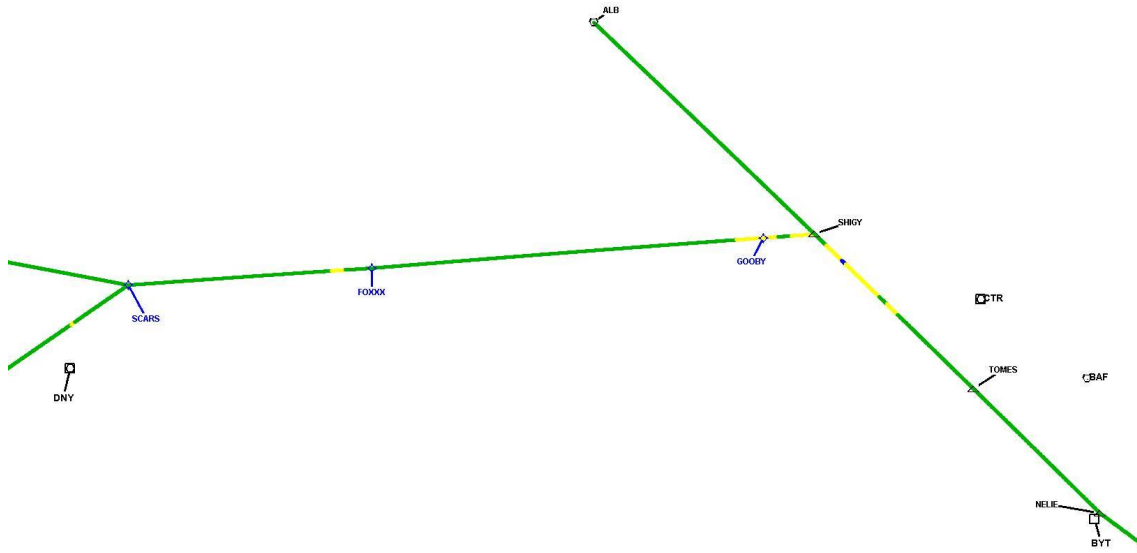
DME DME Assessment Results for WIPOR4 path SAUGY_LAFAY

Graphic Depiction 2



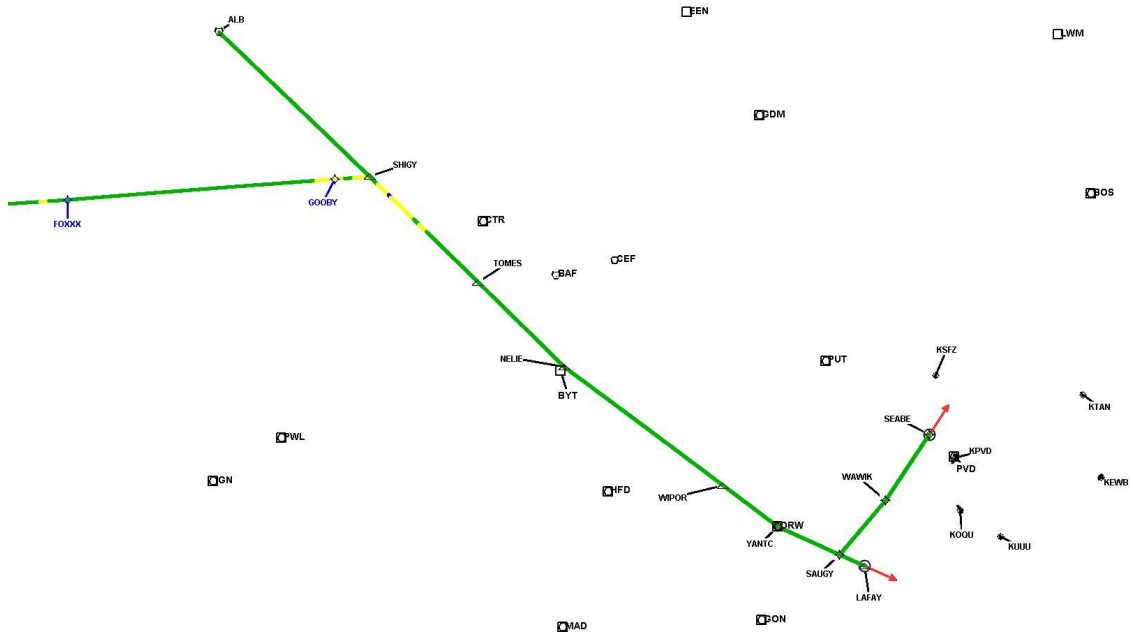
DME DME Assessment Results for WIPOR4 path SAUGY_LAFAY

Graphic Depiction 3



DME DME Assessment Results for WIPOR4 path SAUGY_LAFAY

Graphic Depiction 4



DME DME Assessment Results for WIPOR4 path SAUGY_LAFAY

Graphic Depiction 5

