

DME DME Assessment Results for THRNE4 path AMMOR_THRNE_

Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Jeanette CTR Roller
Project File:	C:\Users\Jeanette CTR Roller\Desktop\20231221 Desktop_JT\KVNY THRNE STAR 31204\THRNE FPT Submission\20240708 THRNE STAR 31204 For AIS.tgs
Output File:	C:\Users\Jeanette CTR Roller\Desktop\20231221 Desktop_JT\KVNY THRNE STAR 31204\THRNE FPT Submission\KBUR [IFPA] THRNE4 20240708_1518 MDT\AMMOR_THRNE_\KBUR THRNE4 RNAV STAR AMMOR THRNE 20240708_1518 MDT.pdf
Procedure Name:	THRNE4
Software: DmeDmePlugin:	7.3.2
Date/Time:	07/08/2024 15:18 MDT
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
AMMOR	WP	N32° 48' 16.06", W115° 56' 29.04"	17000	VNAV	250	FLY_BY	TF
RNCHO	WP	N33° 02' 50.26", W116° 25' 40.49"	17000	VNAV	250	FLY_BY	TF
SNSTT	WP	N33° 12' 08.21", W116° 38' 39.14"	17000	VNAV	250	FLY_BY	TF
SOLAY	WP	N33° 31' 15.26", W116° 46' 48.60"	17000	VNAV	250	FLY_BY	TF
COHEE	WP	N33° 34' 53.22", W116° 48' 54.66"	11000	VNAV	250	FLY_BY	TF
ERTLE	WP	N33° 47' 43.04", W116° 56' 17.00"	11000	VNAV	250	FLY_BY	TF
PHIYA	WP	N33° 52' 13.73", W116° 58' 53.48"	11000	VNAV	250	FLY_BY	TF
THRNE_	WP	N33° 59' 46.58", W117° 11' 38.19"	11000	VNAV	250	FLY_BY	TF

Flyability

Flight Type:	RNAV_STAR
Selected Airport:	KBUR [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 THRNE4 path AMMOR_THRNE_

DME/DME	
RNP:	RNP 2
Flight Mode:	Manual
Line of Sight (DTED Level 0 Max):	Evaluated
Inertial Drift:	Enabled
Initial Drift:	0.558 NM
INS Drift Rate:	8.0 NM/Hour
Range Mode:	OSV
RNP Edges:	Evaluated
Min DME Range:	3.0 NM
DME Types:	DME, VOR-DME, VORTAC
DME Include Angles:	30 to 150
Critical DMEs:	Allowed
DoD Facilities:	Not included
Foreign Facilities:	Not included
High DMEs:	Included
Low DMEs:	Included
Terminal DMEs:	Included
Flight Check DMEs:	Not selected
Higher Altitudes:	Not Evaluated
Near Maximum Altitude:	Not Evaluated
Automatic ESVs:	Not enabled
Disabled DMEs:	None

DME/DME (Continued)										
DMEs Used										
#	Name	Lat/Lon	MAGVAR	Range	Type	Source	Critical	Status	Time	Distance
1	TRM	N33° 37' 41.15", W116° 09' 36.70"	13.0 E	130	H	IFPA	NO	Enabled		
2	PSP	N33° 52' 12.05", W116° 25' 47.22"	13.0 E	40	L	IFPA	NO	Enabled		
3	MZB	N32° 46' 55.95", W117° 13' 31.52"	15.0 E	130	H	IFPA	NO	Enabled		
4	JLI	N33° 08' 25.65", W116° 35' 09.37"	15.0 E	40	L	IFPA	NO	Enabled		
5	LAX	N33° 55' 59.34", W118° 25' 55.25"	15.0 E	130	H	IFPA	NO	Enabled		
6	BZA	N32° 46' 05.19", W114° 36' 10.61"	14.0 E	130	H	IFPA	NO	Enabled		
7	BLH	N33° 35' 45.83", W114° 45' 40.58"	14.0 E	130	H	IFPA	NO	Enabled		
8	IPL	N32° 44' 55.92", W115° 30' 30.90"	14.0 E	130	H	IFPA	NO	Enabled		
9	SXC	N33° 22' 30.20", W118° 25' 11.68"	15.0 E	130	H	IFPA	NO	Enabled		
10	PGY	N32° 36' 37.22", W116° 58' 44.76"	14.0 E	130	H	IFPA	NO	Enabled		
11	OCN	N33° 14' 26.28", W117° 25' 03.79"	15.0 E	130	H	IFPA	NO	Enabled		
12	PDZ	N33° 55' 06.01", W117° 31' 47.99"	15.0 E	130	H	IFPA	NO	Enabled		

DME DME Assessment Results for THRNE4 path AMMOR_THRNE_

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	PGY [IFPA]	TRM [IFPA]	MZB [IFPA]	BZA [IFPA]	IPL [IFPA]	JLI [IFPA]
20.3	PGY [IFPA]	JLI [IFPA]	PDZ [IFPA]	IPL [IFPA]	BLH [IFPA]	MZB [IFPA]
35.4	PGY [IFPA]	PDZ [IFPA]	IPL [IFPA]	MZB [IFPA]	OCN [IFPA]	SXC [IFPA]
49.6	PDZ [IFPA]	MZB [IFPA]	PSP [IFPA]	IPL [IFPA]	JLI [IFPA]	OCN [IFPA]
65.3	JLI [IFPA]	OCN [IFPA]	TRM [IFPA]	PGY [IFPA]	PSP [IFPA]	IPL [IFPA]
65.4	JLI [IFPA]	OCN [IFPA]	PSP [IFPA]	IPL [IFPA]	MZB [IFPA]	PGY [IFPA]
67.0	JLI [IFPA]	OCN [IFPA]	TRM [IFPA]	PSP [IFPA]	IPL [IFPA]	LAX [IFPA]
67.2						
69.6	SXC [IFPA]	JLI [IFPA]				
71.7	JLI [IFPA]	OCN [IFPA]	PDZ [IFPA]			
72.9	SXC [IFPA]	JLI [IFPA]	PDZ [IFPA]			
90.8	JLI [IFPA]	SXC [IFPA]	PDZ [IFPA]	PSP [IFPA]		
96.1	SXC [IFPA]	PSP [IFPA]				
98.7						

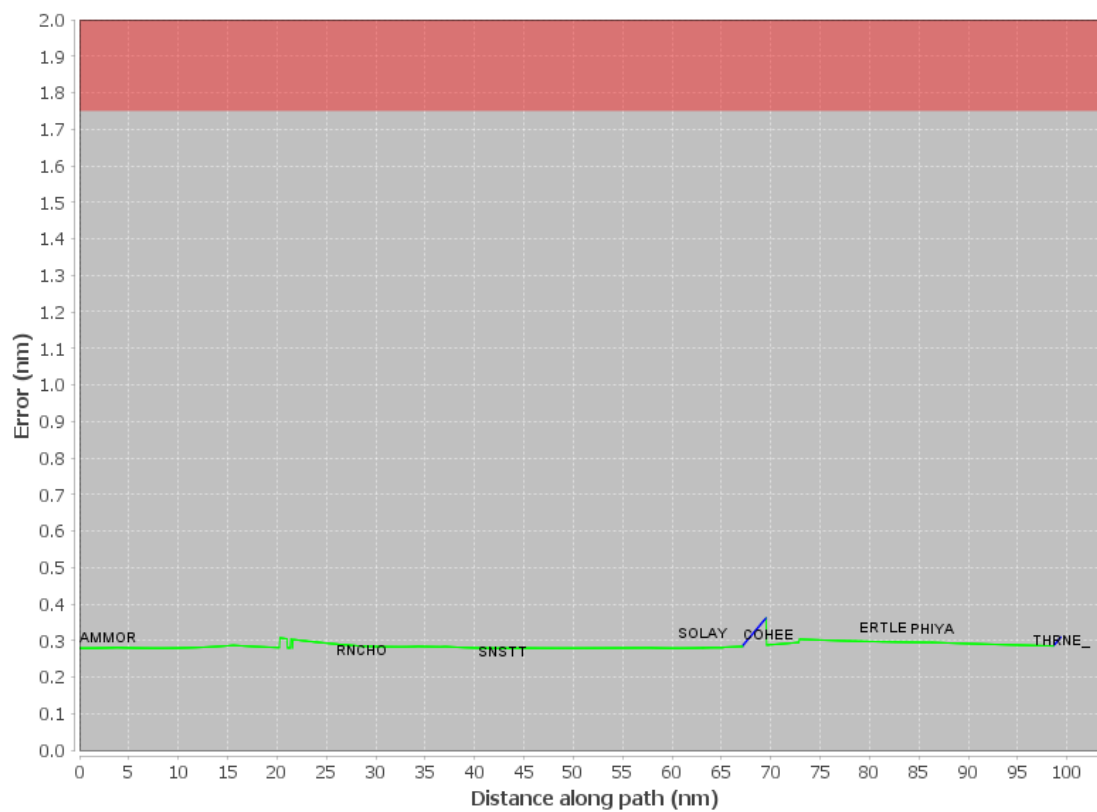
Inertial Drift Segments			
#	Start Location	End Location	Length [NM]
1	N33° 34' 53.22", W116° 48' 54.66"	N33° 37' 04.69", W116° 50' 10.03"	2.4257
2	N33° 59' 22.52", W117° 10' 57.46"	N33° 59' 46.58", W117° 11' 38.19"	0.6919

Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
AMMOR	RNCHO	TRM [IFPA], MZB [IFPA], JLI [IFPA], BZA [IFPA], BLH [IFPA], IPL [IFPA], PGY [IFPA], OCN [IFPA], PDZ [IFPA]	
RNCHO	SNSTT	MZB [IFPA], JLI [IFPA], BZA [IFPA], BLH [IFPA], IPL [IFPA], SXC [IFPA], PGY [IFPA], PDZ [IFPA], OCN [IFPA]	
SNSTT	SOLAY	TRM [IFPA], PSP [IFPA], MZB [IFPA], JLI [IFPA], LAX [IFPA], IPL [IFPA], SXC [IFPA], PGY [IFPA], PDZ [IFPA], OCN [IFPA]	
SOLAY	COHEE	PSP [IFPA], TRM [IFPA], MZB [IFPA], JLI [IFPA], LAX [IFPA], IPL [IFPA], SXC [IFPA], PDZ [IFPA], PGY [IFPA], OCN [IFPA]	
COHEE	ERTLE	JLI [IFPA], SXC [IFPA], PDZ [IFPA], OCN [IFPA]	
ERTLE	PHIYA	JLI [IFPA], SXC [IFPA], PDZ [IFPA]	
PHIYA	THRNE_	PSP [IFPA], JLI [IFPA], SXC [IFPA], PDZ [IFPA]	

User Data Files								
#	File Name							
None								
User DMEs								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	JLI FAA 704158-41 JLI [IFPA]	N33° 08' 25.65", W116° 35' 09.37"	15.0 E	40	5560	114.0	JLI FAA 704158-41	
ESV:		Bearing [True]: 327.0° to 30.0° Bearing [Mag]: 312.0° to 15.0°				Arc Distance: Out to 60.0 NM Altitude: 8100.0 to 17000.0 ft		
2	SXC FAA 190728-3 SXC [IFPA]	N33° 22' 30.20", W118° 25' 11.68"	15.0 E	130	2090	114.15	SXC FAA 190728-3	
ESV:		Bearing [True]: 47.0° to 80.0° Bearing [Mag]: 32.0° to 65.0°				Arc Distance: Out to 88.0 NM Altitude: 5800.0 to 16600.0 ft		

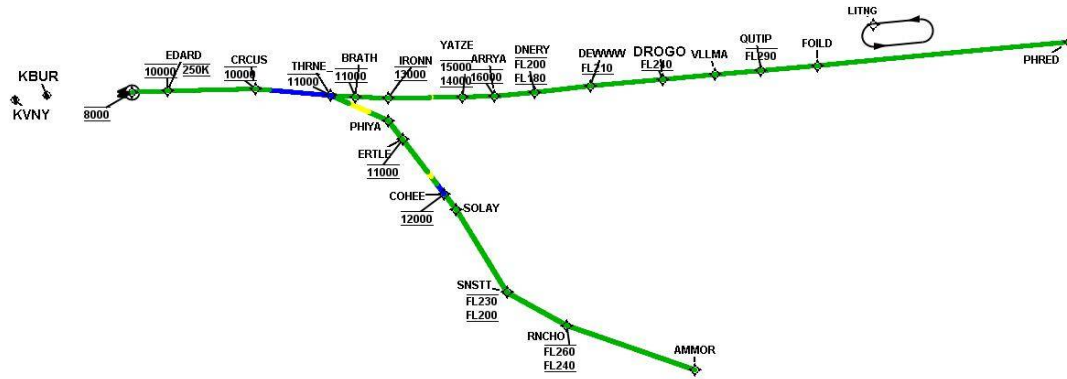
DME DME Assessment Results for THRNE4 path AMMOR_THRNE_

DME Error



DME DME Assessment Results for THRNE4 path AMMOR_THRNE_

Graphic Depiction 1



DME DME Assessment Results for THRNE4 path PHRED_NNEDD

Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Jeanette CTR Roller
Project File:	C:\Users\Jeanette CTR Roller\Desktop\20231221 Desktop_JT\KVNY THRNE STAR 31204\THRNE FPT Submission\20240708 THRNE STAR 31204 For AIS.tgs
Output File:	C:\Users\Jeanette CTR Roller\Desktop\20231221 Desktop_JT\KVNY THRNE STAR 31204\THRNE FPT Submission\KBUR [IFPA] THRNE4 20240708_1518 MDT\PHRED_NNEDD\KBUR THRNE4 RNAV STAR PHRED NNEDD 20240708_1518 MDT.pdf
Procedure Name:	THRNE4
Software: DmeDmePlugin:	7.3.2
Date/Time:	07/08/2024 15:18 MDT
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
PHRED	WP	N33° 38' 44.70", W114° 07' 18.30"	17000	VNAV	250	FLY_BY	TF
FOILD	WP	N33° 44' 48.96", W115° 10' 29.85"	17000	VNAV	250	FLY_BY	TF
QUTIP	WP	N33° 46' 14.81", W115° 24' 36.17"	17000	VNAV	250	FLY_BY	TF
VLLMA	WP	N33° 47' 26.21", W115° 36' 07.07"	17000	VNAV	250	FLY_BY	TF
DROGO	WP	N33° 48' 42.05", W115° 49' 08.56"	17000	VNAV	250	FLY_BY	TF
DEWWW	WP	N33° 50' 31.65", W116° 07' 17.85"	17000	VNAV	250	FLY_BY	TF
DNERY	WP	N33° 51' 36.94", W116° 21' 29.39"	13000	VNAV	250	FLY_BY	TF
ARRYA	WP	N33° 52' 34.36", W116° 31' 31.42"	13000	VNAV	250	FLY_BY	TF
YATZE	WP	N33° 53' 49.49", W116° 39' 26.31"	13000	VNAV	250	FLY_BY	TF
IRONN	WP	N33° 56' 43.16", W116° 57' 47.10"	13000	VNAV	250	FLY_BY	TF
BRATH	WP	N33° 58' 27.03", W117° 05' 35.22"	11000	VNAV	250	FLY_BY	TF
THRNE_	WP	N33° 59' 46.58", W117° 11' 38.19"	11000	VNAV	250	FLY_BY	TF
CRCUS	WP	N34° 04' 23.53", W117° 29' 54.38"	10000	VNAV	250	FLY_BY	TF
EDARD	WP	N34° 07' 43.65", W117° 51' 27.93"	10000	VNAV	250	FLY_BY	TF
NNEDD	WP	N34° 09' 02.59", W118° 00' 13.66"	8000	VNAV	250	FLY_OVER	TF

DME DME Assessment Results for THRNE4 path PHRED_NNEDD

Flyability	
Flight Type:	RNAV STAR
Selected Airport:	KBUR [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
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 Assessment Results for THRNE4 path PHRED_NNEDD

DME/DME (Continued)										
DMEs Used										
#	Name	Lat/Lon	MAGVAR	Range	Type	Source	Critical	Status	Time	Distance
1	SMO	N34° 00' 37.53", W118° 27' 22.97"	15.0 E	40	L	IFPA	NO	Enabled		
2	SLI	N33° 46' 59.88", W118° 03' 17.13"	15.0 E	40	L	IFPA	NO	Enabled		
3	BZA	N32° 46' 05.19", W114° 36' 10.61"	14.0 E	130	H	IFPA	NO	Enabled		
4	IPL	N32° 44' 55.92", W115° 30' 30.90"	14.0 E	130	H	IFPA	NO	Enabled		
5	SXC	N33° 22' 30.20", W118° 25' 11.68"	15.0 E	130	H	IFPA	NO	Enabled		
6	PKE	N34° 06' 07.10", W114° 40' 55.44"	15.0 E	130	H	IFPA	NO	Enabled		
7	PDZ	N33° 55' 06.01", W117° 31' 47.99"	15.0 E	130	H	IFPA	NO	Enabled		
8	TRM	N33° 37' 41.15", W116° 09' 36.70"	13.0 E	130	H	IFPA	NO	Enabled		
9	HEC	N34° 47' 49.26", W116° 27' 46.52"	15.0 E	130	H	IFPA	NO	Enabled		
10	PSP	N33° 52' 12.05", W116° 25' 47.22"	13.0 E	40	L	IFPA	NO	Enabled		
11	GBN	N32° 57' 22.53", W112° 40' 27.38"	14.0 E	130	H	IFPA	NO	Enabled		
12	MZB	N32° 46' 55.95", W117° 13' 31.52"	15.0 E	130	H	IFPA	NO	Enabled		
13	VNY	N34° 13' 26.48", W118° 29' 30.21"	15.0 E	40	L	IFPA	NO	Enabled		
14	TNP	N34° 06' 44.04", W115° 46' 11.66"	15.0 E	40	L	IFPA	NO	Enabled		
15	JLI	N33° 08' 25.65", W116° 35' 09.37"	15.0 E	40	L	IFPA	NO	Enabled		
16	LAX	N33° 55' 59.34", W118° 25' 55.25"	15.0 E	130	H	IFPA	NO	Enabled		
17	BLH	N33° 35' 45.83", W114° 45' 40.58"	14.0 E	130	H	IFPA	NO	Enabled		
18	PGY	N32° 36' 37.22", W116° 58' 44.76"	14.0 E	130	H	IFPA	NO	Enabled		
19	OCN	N33° 14' 26.28", W117° 25' 03.79"	15.0 E	130	H	IFPA	NO	Enabled		

DME DME Assessment Results for THRNE4 path PHRED_NNEDD

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	BZA [IFPA]	GBN [IFPA]	BLH [IFPA]	IPL [IFPA]		
10.9	BLH [IFPA]	PKE [IFPA]	IPL [IFPA]	BZA [IFPA]	GBN [IFPA]	
11.4	BZA [IFPA]	BLH [IFPA]	GBN [IFPA]	IPL [IFPA]		
11.6	BLH [IFPA]	PKE [IFPA]	IPL [IFPA]	BZA [IFPA]	GBN [IFPA]	
16.2	BLH [IFPA]	PKE [IFPA]	BZA [IFPA]	IPL [IFPA]		
27.5	BZA [IFPA]	IPL [IFPA]	PKE [IFPA]			
29.9	BZA [IFPA]	IPL [IFPA]				
32.8	BZA [IFPA]	IPL [IFPA]	BLH [IFPA]			
35.1	IPL [IFPA]	BLH [IFPA]	BZA [IFPA]	PKE [IFPA]		
35.5	BZA [IFPA]	TRM [IFPA]	BLH [IFPA]	PKE [IFPA]	IPL [IFPA]	
98.3	BLH [IFPA]	TRM [IFPA]	PKE [IFPA]	HEC [IFPA]	PSP [IFPA]	IPL [IFPA]
98.6	BLH [IFPA]	TRM [IFPA]	PSP [IFPA]	IPL [IFPA]	PKE [IFPA]	PDZ [IFPA]
102.9	PSP [IFPA]	TRM [IFPA]	BLH [IFPA]	TNP [IFPA]	IPL [IFPA]	OCN [IFPA]
104.9	PSP [IFPA]	TRM [IFPA]	TNP [IFPA]	IPL [IFPA]	OCN [IFPA]	MZB [IFPA]
105.7	TNP [IFPA]	IPL [IFPA]	PSP [IFPA]	TRM [IFPA]	MZB [IFPA]	
105.7	TNP [IFPA]	IPL [IFPA]	PSP [IFPA]	TRM [IFPA]		
105.8	JLI [IFPA]	PSP [IFPA]	TRM [IFPA]	TNP [IFPA]		
113.2	TNP [IFPA]	TRM [IFPA]	JLI [IFPA]			
117.7	JLI [IFPA]	TRM [IFPA]				
119.3	JLI [IFPA]	PSP [IFPA]	TRM [IFPA]			
132.2	JLI [IFPA]	PDZ [IFPA]	PSP [IFPA]	TRM [IFPA]		
134.2	JLI [IFPA]	PDZ [IFPA]	PSP [IFPA]	SXC [IFPA]	TRM [IFPA]	
134.5	JLI [IFPA]	PDZ [IFPA]	PSP [IFPA]			
136.8	JLI [IFPA]	PDZ [IFPA]	PSP [IFPA]	SXC [IFPA]		
151.4	SXC [IFPA]	PSP [IFPA]				
155.8						
167.9	PDZ [IFPA]	SLI [IFPA]				
180.8	PDZ [IFPA]	SLI [IFPA]	SMO [IFPA]			
181.0	PDZ [IFPA]	SLI [IFPA]	LAX [IFPA]	SMO [IFPA]		
181.4	PDZ [IFPA]	SLI [IFPA]	LAX [IFPA]	SMO [IFPA]	VNY [IFPA]	

Inertial Drift Segments			
#	Start Location	End Location	Length [NM]
1	N33° 59' 57.51", W117° 12' 21.24"	N34° 03' 29.32", W117° 26' 18.81"	12.1254

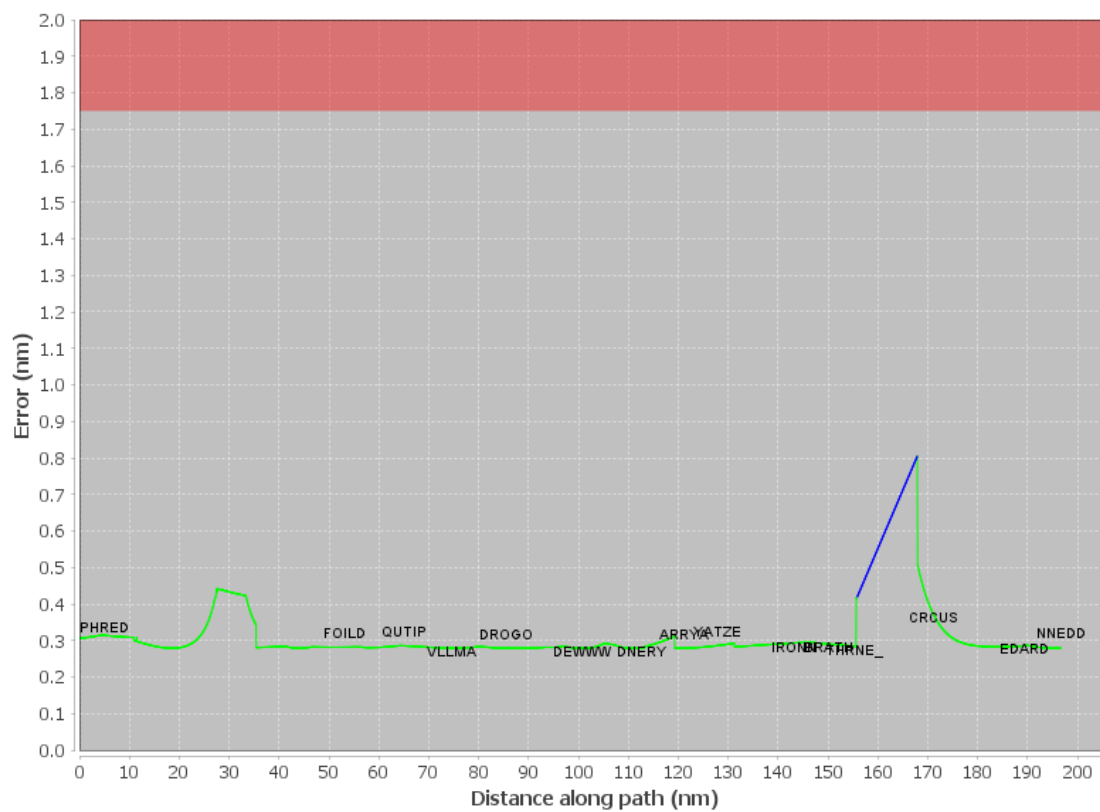
DME DME Assessment Results for THRNE4 path PHRED_NNEDD

Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
PHRED	FOILD	TRM [IFPA], HEC [IFPA], GBN [IFPA], BZA [IFPA], BLH [IFPA], IPL [IFPA], PKE [IFPA]	
FOILD	QUTIP	TRM [IFPA], HEC [IFPA], TNP [IFPA], BZA [IFPA], IPL [IFPA], BLH [IFPA], PKE [IFPA]	
QUTIP	VLLMA	TRM [IFPA], HEC [IFPA], TNP [IFPA], BZA [IFPA], IPL [IFPA], BLH [IFPA], PKE [IFPA], PDZ [IFPA]	
VLLMA	DROGO	TRM [IFPA], HEC [IFPA], PSP [IFPA], MZB [IFPA], TNP [IFPA], BZA [IFPA], IPL [IFPA], BLH [IFPA], PKE [IFPA], PDZ [IFPA], PGY [IFPA]	
DROGO	DEWWW	TRM [IFPA], PSP [IFPA], HEC [IFPA], MZB [IFPA], TNP [IFPA], BZA [IFPA], IPL [IFPA], BLH [IFPA], PKE [IFPA], PGY [IFPA], PDZ [IFPA], OCN [IFPA]	
DEWWW	DNERY	PSP [IFPA], TRM [IFPA], MZB [IFPA], TNP [IFPA], JLI [IFPA], IPL [IFPA], BLH [IFPA], PKE [IFPA], PDZ [IFPA], OCN [IFPA]	
DNERY	ARRYA	TRM [IFPA], PSP [IFPA], TNP [IFPA], JLI [IFPA]	
ARRYA	YATZE	PSP [IFPA], TRM [IFPA], JLI [IFPA]	
YATZE	IRONN	PSP [IFPA], TRM [IFPA], JLI [IFPA], SXC [IFPA], PDZ [IFPA]	
IRONN	BRATH	PSP [IFPA], JLI [IFPA], SXC [IFPA], PDZ [IFPA]	
BRATH	THRNE_	PSP [IFPA], JLI [IFPA], SXC [IFPA], PDZ [IFPA]	
THRNE_	CRCUS	PSP [IFPA], SLI [IFPA], SXC [IFPA], PDZ [IFPA]	
CRCUS	EDARD	SMO [IFPA], VNY [IFPA], SLI [IFPA], LAX [IFPA], PDZ [IFPA]	
EDARD	NNEDD	SMO [IFPA], VNY [IFPA], SLI [IFPA], LAX [IFPA], PDZ [IFPA]	

User Data Files								
#	File Name							
None								
User DMEs								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	JLI FAA 704158-41 JLI [IFPA]	N33° 08' 25.65", W116° 35' 09.37"	15.0 E	40	5560	114.0	JLI FAA 704158-41	
ESV:		Bearing [True]: 327.0° to 30.0° Bearing [Mag]: 312.0° to 15.0°				Arc Distance: Out to 60.0 NM Altitude: 8100.0 to 17000.0 ft		
2	SXC FAA 190728-3 SXC [IFPA]	N33° 22' 30.20", W118° 25' 11.68"	15.0 E	130	2090	114.15	SXC FAA 190728-3	
ESV:		Bearing [True]: 47.0° to 80.0° Bearing [Mag]: 32.0° to 65.0°				Arc Distance: Out to 88.0 NM Altitude: 5800.0 to 16600.0 ft		

DME DME Assessment Results for THRNE4 path PHRED_NNEDD

DME Error



DME DME Assessment Results for THRNE4 path PHRED_NNEDD

Graphic Depiction 1

