

DME DME Assessment Results for HAREI1 path MMUTT_RUEDI

Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Theodore CTR Roller
Project File:	C:\Users\Theodore CTR Roller\Desktop\CO\ASE\33500 HAREI, LOYYD, MMARY STARs\SubPak\FPT\20241009 33500 ASE HAREI LOYYD MMARY STARs BIGLP WP.tgs
Output File:	C:\Users\Theodore CTR Roller\Desktop\CO\ASE\33500 HAREI, LOYYD, MMARY STARs\SubPak\FPT\HAREI\KASE [IFPA] HAREI1 20241125_1308 MST\MMUTT_RUEDI\KASE HAREI1 RNAV STAR MMUTT RUEDI 20241125_1308 MST.pdf
Procedure Name:	HAREI1
Software: DmeDmePlugin:	7.4.1
Date/Time:	11/25/2024 13:08 MST
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
MMUTT	WP	N38° 04' 50.37", W105° 44' 52.15"	24000	VNAV	280	FLY_BY	TF
CUTTZ	WP	N38° 28' 59.75", W106° 04' 57.42"	24000	VNAV	280	FLY_BY	TF
DUMBR	WP	N38° 56' 20.32", W106° 27' 37.42"	17000	VNAV	280	FLY_BY	TF
HAREI	WP	N39° 04' 41.86", W106° 34' 43.45"	17000	VNAV	250	FLY_BY	TF
TREEI	WP	N39° 12' 48.67", W106° 37' 23.95"	16000	VNAV	230	FLY_BY	TF
BIGLP	WP	N39° 18' 10.47", W106° 39' 11.46"	15000	VNAV	220	FLY_BY	TF
RUEDI	WP	N39° 22' 50.75", W106° 41' 32.54"	14000	VNAV	210	FLY_OVER	TF

Flyability

Flight Type:	RNAV_STAR
Selected Airport:	KASE [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 HAREI1 path MMUTT_RUEDI

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	DRO	N37° 09' 11.74", W107° 44' 58.65"	14.0 E	130	DH		NO	Enabled	0.4 %	0.4 %
2	DVV	N39° 53' 40.88", W104° 37' 27.61"	8.0 E	130	H		NO	Enabled	32.2 %	33.5 %
3	TAS	N36° 36' 31.57", W105° 54' 22.75"	13.0 E	130	H		NO	Enabled	11.8 %	12.3 %
4	ALS	N37° 20' 56.97", W105° 48' 55.92"	13.0 E	130	H		NO	Enabled	34.9 %	36.2 %
5	DEN	N39° 48' 45.05", W104° 39' 38.66"	8.0 E	130	H		NO	Enabled	31.8 %	33 %
6	EKR	N40° 04' 02.79", W107° 55' 29.82"	15.0 E	130	DH		NO	Enabled	10.7 %	11.1 %
7	DBL	N39° 26' 21.64", W106° 53' 40.85"	12.0 E	130	DH		NO	Enabled	86.5 %	88.7 %
8	HGO	N38° 49' 03.00", W103° 37' 17.00"	7.0 E	130	H		NO	Enabled	32.3 %	33.6 %
9	TBE	N37° 15' 31.17", W103° 36' 00.20"	12.0 E	130	DH		NO	Enabled	18 %	18.8 %
10	HBU	N38° 27' 07.62", W107° 02' 22.97"	14.0 E	130	DH		NO	Enabled	85.1 %	87.5 %
11	FQF	N39° 41' 24.50", W104° 37' 15.50"	11.0 E	130	H		NO	Enabled	31.1 %	32.4 %
12	BJC	N39° 54' 46.94", W105° 08' 20.35"	11.0 E	130	DH		NO	Enabled	25.8 %	26.8 %
13	BRK	N38° 56' 40.24", W104° 38' 00.48"	8.0 E	130	DH		NO	Enabled	9.4 %	9.8 %
14	PUB	N38° 17' 39.31", W104° 25' 46.01"	8.0 E	130	H		NO	Enabled	40.7 %	42.3 %
15	JNC	N39° 03' 34.44", W108° 47' 33.27"	15.0 E	130	DH		NO	Enabled	5.9 %	5.8 %

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Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	ALS	PUB	HBU	BRK	TAS	DBL
7.5	ALS	PUB	HBU	TAS	BJC	DBL
11.2	ALS	PUB	HBU	DBL	BRK	BJC
11.9	ALS	PUB	HBU	BJC	DBL	HGO
24.3	ALS	HBU	PUB	DBL	FQF	HGO
29.3	ALS	HBU	PUB	DBL	DEN	DVV
29.9	ALS	HBU	PUB	DBL	DVV	HGO
30.3	ALS	HBU	DBL	PUB	HGO	EKR
30.4	ALS	HBU	DBL	PUB	EKR	
32.8	DBL	HBU	PUB	EKR		
34.4	DBL	HBU	PUB	EKR	JNC	
37.2	DBL	HBU	PUB	JNC		
37.7	DBL	HBU	PUB			
37.9	DBL	HBU	EKR	PUB	JNC	
38.3	DBL	HBU				
78.3	DBL	HBU	JNC			
79.0	DBL	JNC				
80.1						
81.3	DBL	HBU				
81.5						

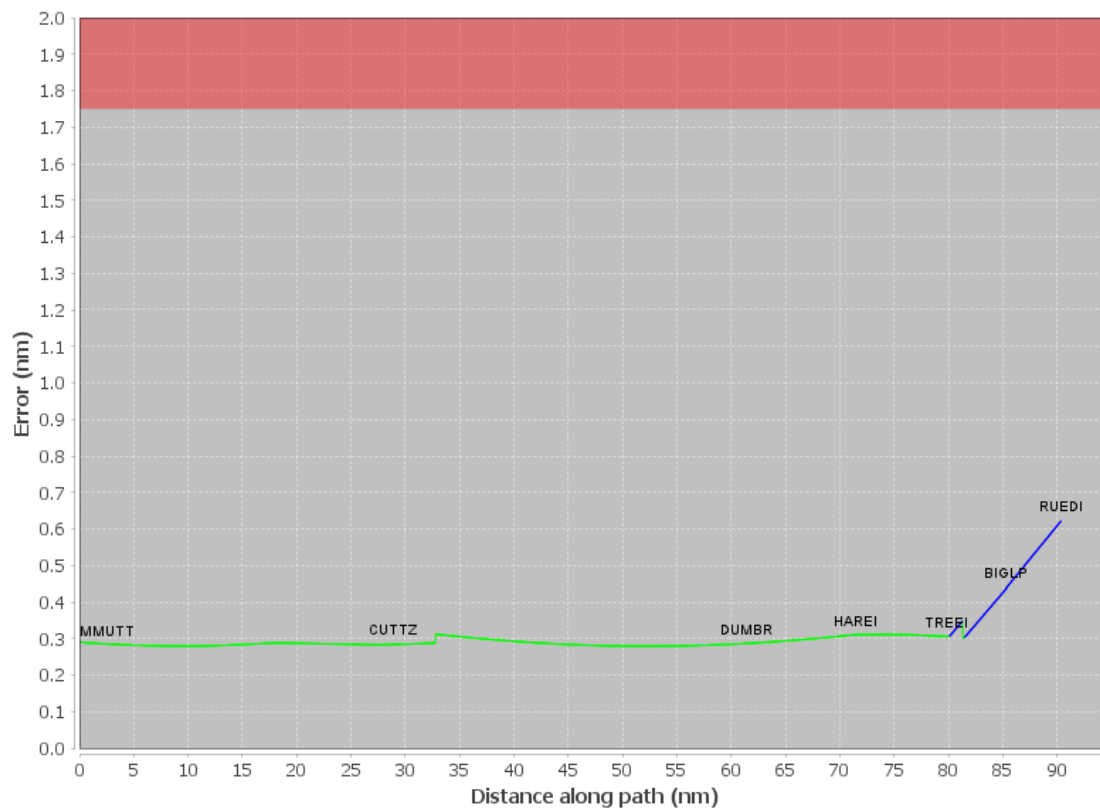
Inertial Drift Segments			
#	Start Location	End Location	Length [NM]
1	N39° 13' 07.17", W106° 37' 30.12"	N39° 14' 17.45", W106° 37' 53.58"	1.2091
2	N39° 14' 28.54", W106° 37' 57.29"	N39° 22' 50.75", W106° 41' 32.54"	8.8321

Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
MMUTT	CUTTZ	DRO, DVV, TAS, ALS, DEN, EKR, DBL, HGO, TBE, HBU, FQF, BJC, BRK, PUB	
CUTTZ	DUMBR	HGO, DVV, ALS, HBU, FQF, PUB, DEN, EKR, JNC, DBL	
DUMBR	HAREI	HBU, DBL	
HAREI	TREEI	HBU, JNC, DBL	
TREEI	BIGLP	HBU, JNC, DBL	
BIGLP	RUEDI		

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

DME DME Assessment Results for HAREI1 path MMUTT_RUEDI

DME Error



DME DME Assessment Results for HAREI1 path HAREI_IIOOU

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Procedure Name:	HAREI1
Software: DmeDmePlugin:	7.4.1
Date/Time:	11/25/2024 13:08 MST
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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
HAREI	WP	N39° 04' 41.86", W106° 34' 43.45"	17000	VNAV	250	FLY_BY	TF
DBL	WP	N39° 26' 21.64", W106° 53' 40.85"	17000	VNAV	250	FLY_BY	TF
IIOOU	WP	N39° 28' 44.53", W107° 03' 37.01"	16000	VNAV	250	FLY_OVER	TF

Flyability

Flight Type:	RNAV_STAR
Selected Airport:	KASE [IFPA]
Climb Gradient:	None assigned
Speeds:	200 Ground Speed to 11000 FT
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	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 HAREI1 path HAREI_IIOOU

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	SXW	N39° 37' 46.12", W106° 59' 28.21"	12.0 E	25	T		NO	Enabled	22.7 %	22.7 %
2	RIL	N39° 31' 41.96", W107° 43' 10.77"	10.0 E	40	L		NO	Enabled	23.5 %	23.5 %
3	HBU	N38° 27' 07.62", W107° 02' 22.97"	14.0 E	130	DH		NO	Enabled	54.2 %	54.2 %
4	RLG	N40° 00' 09.50", W106° 26' 32.96"	14.0 E	130	DH		NO	Enabled	38.9 %	38.9 %
5	EKR	N40° 04' 02.79", W107° 55' 29.82"	15.0 E	130	DH		NO	Enabled	68.6 %	68.5 %
6	JNC	N39° 03' 34.44", W108° 47' 33.27"	15.0 E	130	DH		NO	Enabled	73.8 %	73.8 %
7	DBL	N39° 26' 21.64", W106° 53' 40.85"	12.0 E	130	DH		NO	Enabled	71.4 %	71.4 %

DME DME Assessment Results for HAREI1 path HAREI_IIOOU

Flight Check DME Selection

Distance [NM]	Selected DMEs					Alternate
0.0	DBL	HBU				
9.0	DBL	HBU	JNC			
10.8	HBU	EKR	DBL	JNC		
14.3	RLG	EKR	HBU	DBL	JNC	
14.4	HBU	EKR	JNC	DBL		
15.7	DBL	JNC	EKR			
15.8	HBU	EKR	JNC	DBL		
17.2	RLG	EKR	HBU	SXW	JNC	DBL
17.6	HBU	EKR	JNC	DBL		
18.3	DBL	JNC	EKR			
20.0	HBU	EKR	JNC	DBL		
20.2	HBU	EKR	SXW	JNC	DBL	
20.6	DBL	JNC	EKR			
20.9	RLG	EKR	DBL	JNC		
21.1	RLG	EKR	JNC			
22.1	EKR	JNC				
22.5	RLG	EKR	JNC			
26.2	RLG	EKR	RIL	JNC		
27.1	RLG	EKR	RIL	SXW	JNC	

Inertial Drift Segments

#	Start Location	End Location	Length [NM]
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Available DMEs by Waypoints

Waypoint Before	Waypoint After	DME List	Suggested DMEs
HAREI	DBL	SXW, HBU, RLG, EKR, JNC, DBL	
DBL	IIOOU	SXW, RIL, RLG, EKR, JNC, DBL	

User Data Files

#	File Name
	None

User DMEs

#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status

DME DME Assessment Results for HAREI1 path HAREI_IIOOU

