

DME DME Assessment Results for Q-801 path HARPR_TED

Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Bob CTR Graham
Project File:	C:\Users\Bob CTR Graham\Desktop\AREA NAV Projects and TARGETS Files\Q-routes\Marthas Q-routes\q801\Q801 - J133\TARGETS\20240326_Q-801.tgs
Output File:	C:\Users\Bob CTR Graham\Desktop\AREA NAV Projects and TARGETS Files\Q-routes\Marthas Q-routes\q801\Q801 - J133\Q-801 20240326_1125 MST\HARPR_TED\Q-801 RNAV ROUTE HARPR TED 20240326_1125 MST.pdf
Procedure Name:	Q-801
Software: DmeDmePlugin:	7.2.1
Date/Time:	03/26/2024 11:25 MST
Databases:	MITRE 3DEP 3 arcsec

Failures

No Failures

Warnings

GNSS_ONLY	CYVIC	GOVAD is GNSS Only and was not evaluated
GNSS_ONLY	GOVAD	FINGS is GNSS Only and was not evaluated
GNSS_ONLY	FINGS	SIMSU is GNSS Only and was not evaluated
GNSS_ONLY	SIMSU	CAFTA is GNSS Only and was not evaluated
GNSS_ONLY	CAFTA	EEVER is GNSS Only and was not evaluated
GNSS_ONLY	EEVER	MACIE is GNSS Only and was not evaluated
GNSS_ONLY	MACIE	LAIRE is GNSS Only and was not evaluated
GNSS_ONLY	LAIRE	CSMOS is GNSS Only and was not evaluated
GNSS_ONLY	CSMOS	JOH is GNSS Only and was not evaluated
GNSS_ONLY	JOH	TED is GNSS Only and was not evaluated

Informational

GNSS_ONLY	CYVIC	GOVAD is GNSS Only and was not evaluated
GNSS_ONLY	GOVAD	FINGS is GNSS Only and was not evaluated
GNSS_ONLY	FINGS	SIMSU is GNSS Only and was not evaluated
GNSS_ONLY	SIMSU	CAFTA is GNSS Only and was not evaluated
GNSS_ONLY	CAFTA	EEVER is GNSS Only and was not evaluated
GNSS_ONLY	EEVER	MACIE is GNSS Only and was not evaluated
GNSS_ONLY	MACIE	LAIRE is GNSS Only and was not evaluated
GNSS_ONLY	LAIRE	CSMOS is GNSS Only and was not evaluated
GNSS_ONLY	CSMOS	JOH is GNSS Only and was not evaluated
GNSS_ONLY	JOH	TED is GNSS Only and was not evaluated

Notes For Flight Check

None

DME DME Assessment Results for Q-801 path HARPR_TED

Flight Plan							
Name	Type	Lat/Lon	Altitude (ft)	VNAV Mode	Ground Speed (kts)	Turn Type	Leg Type
HARPR	WP	N42° 28' 50.0000", W122° 53' 01.5400"	18000	VNAV	240	FLY_BY	TF
FELIX	WP	N43° 19' 13.9766", W123° 05' 39.5104"	18000	VNAV	240	FLY_BY	TF
ECTOF	WP	N44° 10' 49.5530", W123° 18' 57.8749"	18000	VNAV	240	FLY_BY	TF
WAPTO	WP	N47° 28' 19.5400", W124° 13' 50.3800"	18000	VNAV	240	FLY_BY	TF
TOU	WP	N48° 17' 59.6370", W124° 37' 37.3560"	18000	VNAV	240	FLY_BY	TF
CYVIC	WP	N48° 29' 59.9700", W124° 54' 39.8000"	18000	VNAV	240	FLY_BY	TF
GOVAD	WP	N49° 02' 48.6484", W125° 42' 15.0915"	18000	VNAV	240	FLY_BY	TF
FINGS	WP	N50° 15' 00.0000", W127° 34' 00.0000"	18000	VNAV	240	FLY_BY	TF
SIMSU	WP	N50° 46' 56.0000", W128° 25' 37.0000"	18000	VNAV	240	FLY_BY	TF
CAFTA	WP	N51° 17' 43.0000", W129° 05' 19.0000"	18000	VNAV	240	FLY_BY	TF
EEVER	WP	N54° 35' 01.7900", W133° 05' 54.2300"	18000	VNAV	240	FLY_BY	TF
MACIE	WP	N57° 43' 38.8745", W137° 50' 47.7368"	18000	VNAV	240	FLY_BY	TF
LAIRE	WP	N58° 48' 14.6700", W140° 31' 43.3600"	18000	VNAV	240	FLY_BY	TF
CSMOS	WP	N59° 40' 34.8975", W143° 29' 31.4841"	18000	VNAV	240	FLY_BY	TF
JOH	WP	N60° 28' 51.4280", W146° 35' 57.6070"	18000	VNAV	240	FLY_BY	TF
TED	WP	N61° 10' 04.3158", W149° 57' 36.5161"	18000	VNAV	240	FLY_BY	TF

Flyability	
Flight Type:	RNAV ROUTE
Selected Airport:	
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 Q-801 path HARPR_TED

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:	Included
Foreign Facilities:	Not included
High DMEs:	Included
Low DMEs:	Not included
Terminal DMEs:	Not 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	CVV	N48° 14' 40.9000", W122° 43' 27.9000"	19.0 E	130	DH	IFPA	NO	Enabled	5.5 %	5.5 %
2	SEA	N47° 26' 07.3434", W122° 18' 34.6180"	19.0 E	130	H	IFPA	NO	Enabled	2.5 %	2.5 %
3	OED	N42° 28' 46.4672", W122° 54' 46.5608"	19.0 E	130	H	IFPA	NO	Enabled	3.3 %	3.3 %
4	LKV	N42° 29' 34.2352", W120° 30' 25.5759"	19.0 E	130	H	IFPA	NO	Enabled	2.8 %	2.8 %
5	CBU	N45° 35' 19.0716", W122° 36' 40.5087"	15.0 E	130	H	IFPA	NO	Enabled	11.6 %	11.6 %
6	UBG	N45° 21' 11.6383", W122° 58' 41.3300"	21.0 E	130	DH	IFPA	NO	Enabled	16.7 %	16.7 %
7	TOU	N48° 17' 59.6370", W124° 37' 37.3560"	22.0 E	130	H	IFPA	NO	Enabled	7.1 %	7.1 %
8	HQM	N46° 56' 49.3455", W124° 08' 57.3680"	19.0 E	130	H	IFPA	NO	Enabled	12.9 %	12.9 %
9	OLM	N46° 58' 17.9000", W122° 54' 06.6000"	19.0 E	130	H	IFPA	NO	Enabled	11.1 %	11.1 %
10	CVO	N44° 29' 58.4353", W123° 17' 37.1764"	18.0 E	130	DH	IFPA	NO	Enabled	10.9 %	10.9 %
11	EUG	N44° 07' 15.2343", W123° 13' 22.1925"	15.0 E	130	H	IFPA	NO	Enabled	9.2 %	9.3 %
12	FJS	N41° 26' 58.8090", W122° 48' 23.2110"	19.0 E	130	DH	IFPA	NO	Enabled	4.2 %	4.2 %
13	NUW	N48° 21' 17.7641", W122° 39' 42.4372"	18.0 E	130	H	IFPA	NO	Enabled	6.1 %	6.1 %
14	BTG	N45° 44' 52.1197", W122° 35' 29.5316"	21.0 E	130	H	IFPA	NO	Enabled	14.9 %	14.9 %
15	HUH	N48° 56' 43.0327", W122° 34' 45.3170"	20.0 E	130	H	IFPA	NO	Enabled	2.6 %	2.6 %
16	ONP	N44° 34' 31.2590", W124° 03' 38.1370"	15.0 E	130	H	IFPA	NO	Enabled	12.5 %	12.5 %
17	LMT	N42° 09' 11.3097", W121° 43' 39.1018"	17.0 E	130	H	IFPA	NO	Enabled	5.8 %	5.8 %
18	LTJ	N45° 42' 48.9000", W121° 06' 03.0000"	21.0 E	130	DH	IFPA	NO	Enabled	8.3 %	8.3 %

DME DME Assessment Results for Q-801 path HARPR_TED

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	LMT	FJS	LKV	EUG	CVO	
15.5	LKV	OED	FJS	EUG	CVO	
42.5	LMT	EUG	OED	CVO	UBG	BTG
43.0	LMT	OED	CVO	UBG	BTG	FJS
46.0	LMT	OED	UBG	BTG	FJS	ONP
48.8	LMT	UBG	BTG	FJS	ONP	
64.1	BTG	ONP	LMT	UBG		
77.6	ONP	UBG	BTG	CVO	LMT	
96.7	EUG	ONP	UBG	CBU	CVO	OED
99.7	ONP	UBG	CBU	CVO	OED	
100.1	ONP	UBG	CBU	CVO		
104.8	ONP	UBG	CBU	CVO	BTG	
119.4	ONP	UBG	CBU	BTG	EUG	
199.2	CBU	ONP	BTG	HQM	CVO	OLM
203.3	BTG	ONP	CBU	HQM	OLM	UBG
228.2	CBU	OLM	UBG	BTG	HQM	LTJ
250.1	OLM	HQM	UBG	BTG	CBU	
268.6	TOU	OLM	UBG	CBU	BTG	
268.8	TOU	OLM	UBG	BTG		
269.1	TOU	OLM	HQM	UBG	CBU	BTG
270.5	TOU	OLM	UBG	BTG	HQM	
272.6	TOU	OLM	UBG	BTG		
276.2	TOU	OLM	HQM	UBG	BTG	
276.7	OLM	HQM	TOU	UBG		
281.4	OLM	HQM	TOU	NUW	UBG	
296.6	OLM	HQM	CVV	TOU	NUW	
348.7	TOU	NUW	CVV	HQM	HUH	
354.2	NUW	HQM	CVV	HUH		
362.0	TOU	HUH	NUW	HQM	CVV	

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

Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
HARPR	FELIX	ONP, LMT, BTG, LKV, EUG, UBG, CVO, FJS, OED	
FELIX	ECTO	ONP, LMT, BTG, EUG, CBU, UBG, CVO, FJS, OED	
ECTO	WAPTO	CVV, LTJ, HQM, SEA, ONP, OLM, NUW, BTG, EUG, CBU, UBG, TOU, CVO	
WAPTO	TOU	OLM, NUW, CVV, HQM, HUH, TOU, SEA	
TOU	CYVIC	NUW, CVV, HQM, HUH, TOU	
CYVIC	GOVAD		
GOVAD	FINGS		
FINGS	SIMSU		
SIMSU	CAFTA		
CAFTA	EEVER		
EEVER	MACIE		
MACIE	LAIRE		
LAIRE	CSMOS		
CSMOS	JOH		
JOH	TED		

DME DME Assessment Results for Q-801 path HARPR_TED

User Data Files

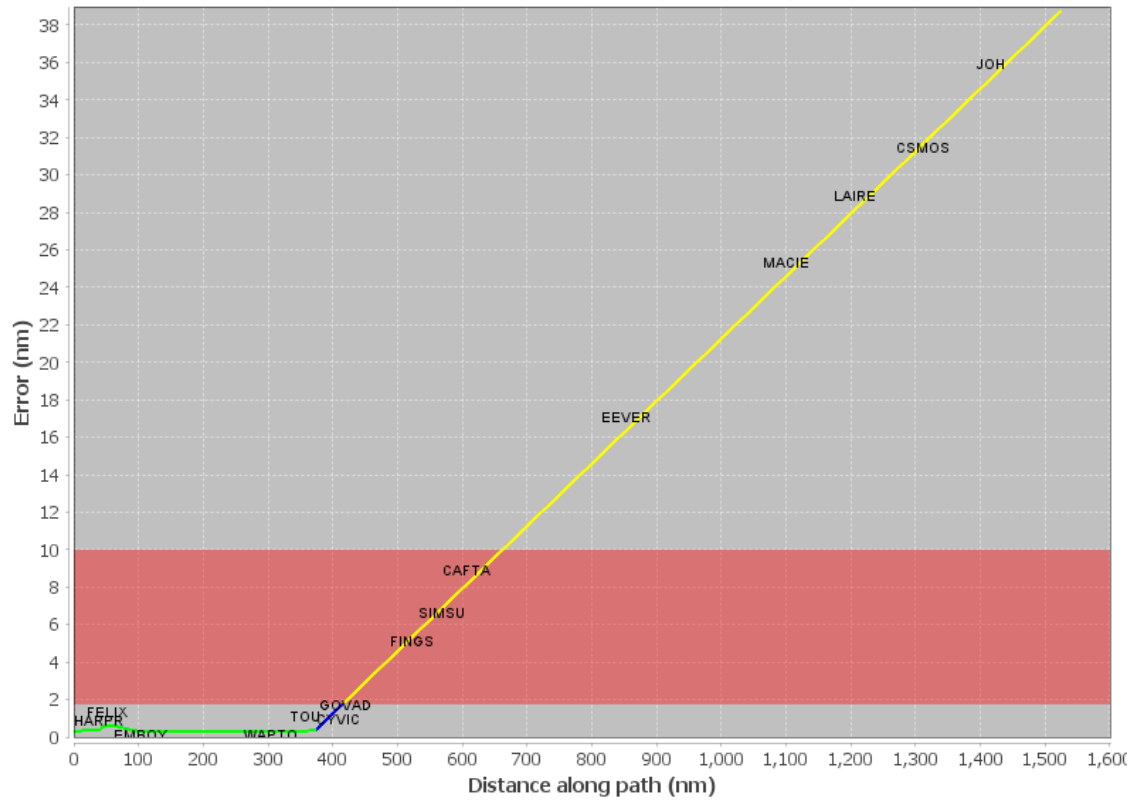
#	File Name							
1	New Analysis.udt							

User DMEs

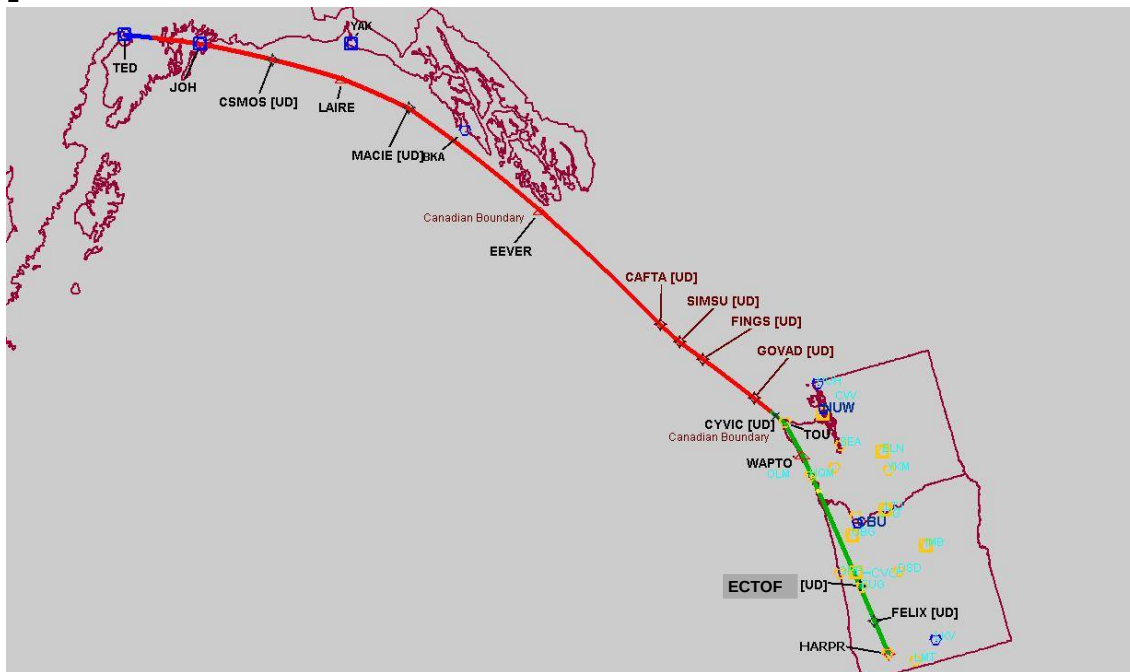
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	UBG UBG [IFPA]	N45° 21' 11.6383", W122° 58' 41.3300"	21.0 E	130	1443.3	117.4	UBG	
ESV:		Bearing [True]: 179.0° to 188.0° Bearing [Mag]: 158.0° to 167.0°				Arc Distance: Out to 132.0 NM Altitude: 18000.0 to 19500.0 ft		
2	BTG BTG [IFPA]	N45° 44' 52.1197", W122° 35' 29.5316"	21.0 E	130	253.3	116.6	BTG	
ESV:		Bearing [True]: 186.0° to 199.0° Bearing [Mag]: 165.0° to 178.0°				Arc Distance: Out to 158.0 NM Altitude: 18000.0 to 18300.0 ft		
3	LKV LKV [IFPA]	N42° 29' 34.2352", W120° 30' 25.5759"	19.0 E	130	7465.4	112.0	LKV	
ESV:		Bearing [True]: 270.0° to 292.0° Bearing [Mag]: 251.0° to 273.0°				Arc Distance: Out to 123.0 NM Altitude: 18000.0 to 25500.0 ft		
4	LMT LMT [IFPA]	N42° 09' 11.3097", W121° 43' 39.1018"	17.0 E	130	4090.2	115.9	LMT	
ESV:		Bearing [True]: 289.0° to 332.0° Bearing [Mag]: 272.0° to 315.0°				Arc Distance: Out to 135.0 NM Altitude: 18000.0 to 22100.0 ft		

DME DME Assessment Results for Q-801 path HARPR_TED

DME Error



Graphic Depiction 1



DME DME Assessment Results for Q-801 path TED_HARPR

Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Bob CTR Graham
Project File:	C:\Users\Bob CTR Graham\Desktop\AREA NAV Projects and TARGETS Files\Q-routes\Marthas Q-routes\q801\Q801 - J133\TARGETS\20240326_Q-801.tgs
Output File:	C:\Users\Bob CTR Graham\Desktop\AREA NAV Projects and TARGETS Files\Q-routes\Marthas Q-routes\q801\Q801 - J133\Q-801 20240326_1125 MST\TED_HARPR\Q-801 RNAV ROUTE TED HARPR 20240326_1125 MST.pdf
Procedure Name:	Q-801
Software: DmeDmePlugin:	7.2.1
Date/Time:	03/26/2024 11:25 MST
Databases:	MITRE 3DEP 3 arcsec

Failures

NO_COVERAGE_BEGINNING_OF_ROUTE	No Coverage at beginning of route starting at TED
EXCEEDED_DRIFT_TIME	No-coverage segment not allowed (285.13 minutes) from TED to CYVIC

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
TED	WP	N61° 10' 04.3158", W149° 57' 36.5161"	18000	VNAV	240	FLY_BY	TF
JOH	WP	N60° 28' 51.4280", W146° 35' 57.6070"	18000	VNAV	240	FLY_BY	TF
CSMOS	WP	N59° 40' 34.8975", W143° 29' 31.4841"	18000	VNAV	240	FLY_BY	TF
LAIRE	WP	N58° 48' 14.6700", W140° 31' 43.3600"	18000	VNAV	240	FLY_BY	TF
MACIE	WP	N57° 43' 38.8745", W137° 50' 47.7368"	18000	VNAV	240	FLY_BY	TF
EEVER	WP	N54° 35' 01.7900", W133° 05' 54.2300"	18000	VNAV	240	FLY_BY	TF
CAFTA	WP	N51° 17' 43.0000", W129° 05' 19.0000"	18000	VNAV	240	FLY_BY	TF
SIMSU	WP	N50° 46' 56.0000", W128° 25' 37.0000"	18000	VNAV	240	FLY_BY	TF
FINGS	WP	N50° 15' 00.0000", W127° 34' 00.0000"	18000	VNAV	240	FLY_BY	TF
GOVAD	WP	N49° 02' 48.6484", W125° 42' 15.0915"	18000	VNAV	240	FLY_BY	TF
CYVIC	WP	N48° 29' 59.9700", W124° 54' 39.8000"	18000	VNAV	240	FLY_BY	TF
TOU	WP	N48° 17' 59.6370", W124° 37' 37.3560"	18000	VNAV	240	FLY_BY	TF
WAPTO	WP	N47° 28' 19.5400", W124° 13' 50.3800"	18000	VNAV	240	FLY_BY	TF
ECTO	WP	N44° 10' 49.5530", W123° 18' 57.8749"	18000	VNAV	240	FLY_BY	TF
FELIX	WP	N43° 19' 13.9766", W123° 05' 39.5104"	18000	VNAV	240	FLY_BY	TF
HARPR	WP	N42° 28' 50.0000", W122° 53' 01.5400"	18000	VNAV	240	FLY_BY	TF

DME DME Assessment Results for Q-801 path TED_HARPR

Flyability	
Flight Type:	RNAV_ROUTE
Selected Airport:	
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:	Included
Foreign Facilities:	Not included
High DMEs:	Included
Low DMEs:	Not included
Terminal DMEs:	Not 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 Q-801 path TED_HARPR

DME/DME (Continued)										
DMEs Used										
#	Name	Lat/Lon	MAGVAR	Range	Type	Source	Critical	Status	Time	Distance
1	CVV	N48° 14' 40.9000", W122° 43' 27.9000"	19.0 E	130	DH	IFPA	NO	Enabled	5.5 %	5.5 %
2	SEA	N47° 26' 07.3434", W122° 18' 34.6180"	19.0 E	130	H	IFPA	NO	Enabled	2.5 %	2.5 %
3	OED	N42° 28' 46.4672", W122° 54' 46.5608"	19.0 E	130	H	IFPA	NO	Enabled	3.3 %	3.3 %
4	LKV	N42° 29' 34.2352", W120° 30' 25.5759"	19.0 E	130	H	IFPA	NO	Enabled	2.8 %	2.8 %
5	CBU	N45° 35' 19.0716", W122° 36' 40.5087"	15.0 E	130	H	IFPA	NO	Enabled	11.6 %	11.6 %
6	UBG	N45° 21' 11.6383", W122° 58' 41.3300"	21.0 E	130	DH	IFPA	NO	Enabled	16.7 %	16.7 %
7	TOU	N48° 17' 59.6370", W124° 37' 37.3560"	22.0 E	130	H	IFPA	NO	Enabled	7.7 %	7.7 %
8	HQM	N46° 56' 49.3455", W124° 08' 57.3680"	19.0 E	130	H	IFPA	NO	Enabled	12.9 %	12.9 %
9	OLM	N46° 58' 17.9000", W122° 54' 06.6000"	19.0 E	130	H	IFPA	NO	Enabled	11.1 %	11.1 %
10	CVO	N44° 29' 58.4353", W123° 17' 37.1764"	18.0 E	130	DH	IFPA	NO	Enabled	10.9 %	10.9 %
11	EUG	N44° 07' 15.2343", W123° 13' 22.1925"	15.0 E	130	H	IFPA	NO	Enabled	9.2 %	9.3 %
12	NUW	N48° 21' 17.7641", W122° 39' 42.4372"	18.0 E	130	H	IFPA	NO	Enabled	6.6 %	6.6 %
13	FJS	N41° 26' 58.8090", W122° 48' 23.2110"	19.0 E	130	DH	IFPA	NO	Enabled	4.2 %	4.2 %
14	HUH	N48° 56' 43.0327", W122° 34' 45.3170"	20.0 E	130	H	IFPA	NO	Enabled	2.7 %	2.7 %
15	BTG	N45° 44' 52.1197", W122° 35' 29.5316"	21.0 E	130	H	IFPA	NO	Enabled	14.9 %	14.9 %
16	ONP	N44° 34' 31.2590", W124° 03' 38.1370"	15.0 E	130	H	IFPA	NO	Enabled	12.5 %	12.5 %
17	LMT	N42° 09' 11.3097", W121° 43' 39.1018"	17.0 E	130	H	IFPA	NO	Enabled	5.8 %	5.8 %
18	LTJ	N45° 42' 48.9000", W121° 06' 03.0000"	21.0 E	130	DH	IFPA	NO	Enabled	8.3 %	8.3 %

DME DME Assessment Results for Q-801 path TED_HARPR

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0						
1140.5	TOU	NUW				
1148.1						
1149.7	TOU	HUH				
1150.3	TOU	HUH	HQM	NUW	CVV	
1162.1	NUW	HQM	CVV	HUH		
1169.9	TOU	NUW	CVV	HQM	HUH	
1190.6	CVV	TOU	HQM	NUW	OLM	SEA
1218.3	CVV	TOU	OLM	NUW	HQM	
1233.7	OLM	HQM	TOU	NUW	UBG	
1242.7	OLM	HQM	TOU	UBG		
1247.4	TOU	OLM	HQM	UBG	BTG	
1247.9	TOU	OLM	UBG	BTG		
1251.5	TOU	OLM	HQM	UBG	BTG	
1255.0	TOU	OLM	UBG	BTG		
1255.3	TOU	OLM	UBG	CBU	BTG	
1266.8	OLM	HQM	UBG	BTG	CBU	
1344.4	CBU	CVO	BTG	ONP	UBG	EUG
1398.7	ONP	UBG	EUG	CBU	BTG	LTJ
1399.6	ONP	UBG	CBU	EUG	BTG	
1408.0	CVO	ONP	UBG	CBU	BTG	
1419.2	ONP	UBG	CBU	CVO		
1424.0	ONP	UBG	CBU	CVO	OED	
1428.8	ONP	UBG	CBU	BTG	CVO	LMT
1430.0	EUG	ONP	UBG	BTG	CVO	LMT
1439.7	ONP	UBG	BTG	CVO	LMT	
1446.5	ONP	UBG	BTG	LMT		
1460.0	BTG	ONP	LMT	UBG	FJS	
1482.0	LKV	EUG	OED	CVO	FJS	LMT
1493.1	LKV	OED	EUG	FJS	CVO	
1521.2	LMT	FJS	LKV	EUG	CVO	

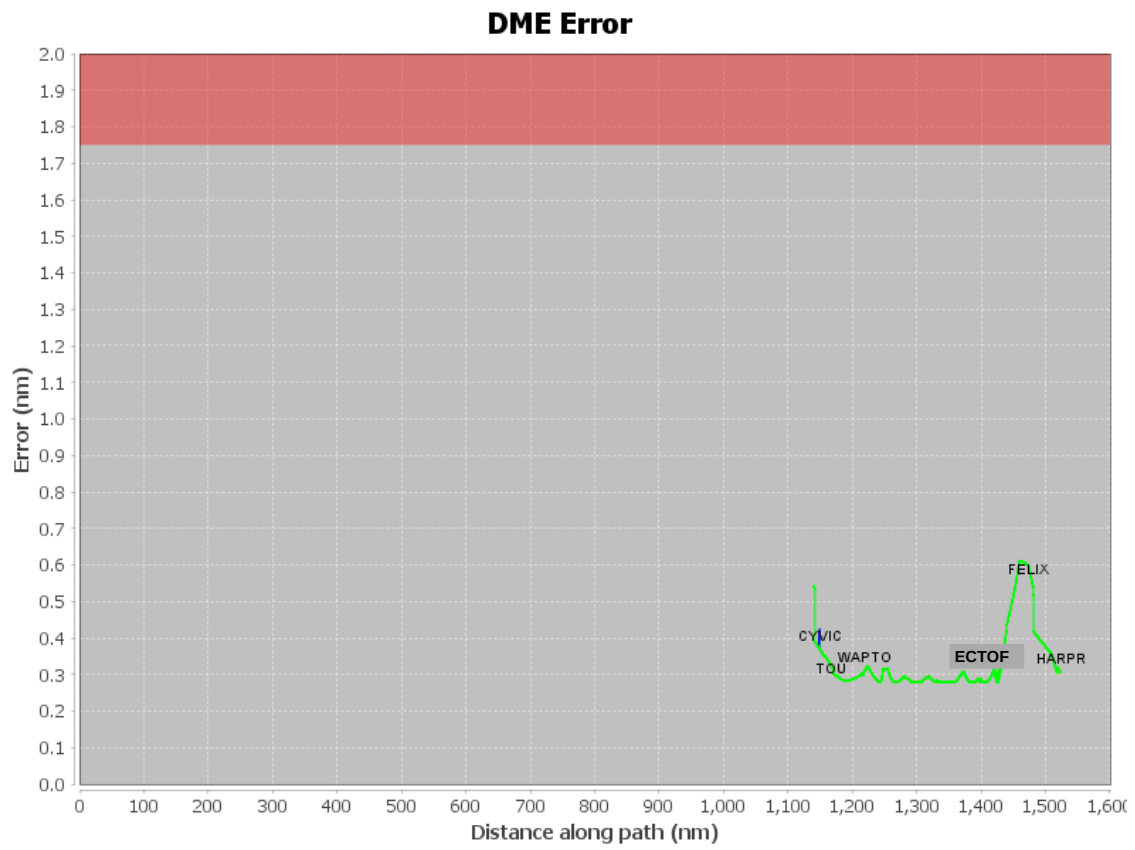
Inertial Drift Segments			
#	Start Location	End Location	Length [NM]
1	N61° 10' 02.8713", W149° 57' 28.8225"	N48° 37' 05.3515", W125° 04' 49.1132"	1137.2284
2	N48° 31' 35.5425", W124° 56' 56.3377"	N48° 30' 28.9361", W124° 55' 21.1600"	1.5318

DME DME Assessment Results for Q-801 path TED_HARPR

Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
TED	JOH		
JOH	CSMOS		
CSMOS	LAIRE		
LAIRE	MACIE		
MACIE	EEVER		
EEVER	CAFTA		
CAFTA	SIMSU		
SIMSU	FINGS		
FINGS	GOVAD		
GOVAD	CYVIC	NUW, CVV, HQM, HUH, TOU	
CYVIC	TOU	NUW, CVV, HQM, HUH, TOU	
TOU	WAPTO	NUW, OLM, CVV, HQM, HUH, TOU, SEA	
WAPTO	ECTO	CVV, LTJ, HQM, SEA, ONP, OLM, NUW, BTG, EUG, CBU, TOU, UBG, CVO	
ECTO	FELIX	ONP, LMT, BTG, EUG, CBU, UBG, CVO, FJS, OED	
FELIX	HARPR	ONP, LMT, BTG, EUG, LKV, UBG, CVO, FJS, OED	

User Data Files								
#	File Name							
1	New Analysis.udt							
User DMEs								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	UBG UBG [IFPA]	N45° 21' 11.6383", W122° 58' 41.3300"	21.0 E	130	1443.3	117.4	UBG	
ESV:		Bearing [True]: 179.0° to 188.0° Bearing [Mag]: 158.0° to 167.0°				Arc Distance: Out to 132.0 NM Altitude: 18000.0 to 19500.0 ft		
2	BTG BTG [IFPA]	N45° 44' 52.1197", W122° 35' 29.5316"	21.0 E	130	253.3	116.6	BTG	
ESV:		Bearing [True]: 186.0° to 199.0° Bearing [Mag]: 165.0° to 178.0°				Arc Distance: Out to 158.0 NM Altitude: 18000.0 to 18300.0 ft		
3	LKV LKV [IFPA]	N42° 29' 34.2352", W120° 30' 25.5759"	19.0 E	130	7465.4	112.0	LKV	
ESV:		Bearing [True]: 270.0° to 292.0° Bearing [Mag]: 251.0° to 273.0°				Arc Distance: Out to 123.0 NM Altitude: 18000.0 to 25500.0 ft		
4	LMT LMT [IFPA]	N42° 09' 11.3097", W121° 43' 39.1018"	17.0 E	130	4090.2	115.9	LMT	
ESV:		Bearing [True]: 289.0° to 332.0° Bearing [Mag]: 272.0° to 315.0°				Arc Distance: Out to 135.0 NM Altitude: 18000.0 to 22100.0 ft		

DME DME Assessment Results for Q-801 path TED_HARPR



Graphic Depiction 1

