

DME DME Assessment Results for ZONNA2 path ELP_OTUKE

Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Joshua G-CTR Brechbi
Project File:	C:\Users\Joshua G-CTR Brechbi\OneDrive - Federal Aviation Administration\Desktop\Tucson\ZONNA\KTUS ZONNA TWO STAR 20230509 DME Brechbiel.tgs
Output File:	C:\Users\Joshua G-CTR Brechbi\OneDrive - Federal Aviation Administration\Desktop\Tucson\ZONNA\KTUS ZONNA2 20230503_1140 CDT\ELP_OTUKE\KTUS ZONNA2 RNAV STAR ELP OTUKE 20230503_1140 CDT.pdf
Procedure Name:	ZONNA2
Software: DmeDmePlugin:	7.1.0
Date/Time:	05/03/2023 11:40 CDT
Databases:	DTED Level 0 Max

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
ELP	WP	N31° 48' 57.2770", W106° 16' 54.7782"	23000	VNAV	280	FLY_BY	TF
PENSL	WP	N32° 08' 09.4000", W109° 15' 44.0300"	23000	VNAV	280	FLY_BY	TF
ZONNA_	WP	N32° 12' 44.2204", W109° 42' 20.5720"	21000	VNAV	280	FLY_BY	TF
SSAND	WP	N32° 09' 33.3900", W110° 19' 51.2200"	13000	VNAV	280	FLY_BY	TF
VOTTO	WP	N32° 10' 32.0088", W110° 37' 11.5623"	9000	VNAV	280	FLY_BY	TF
JEGEK	WP	N32° 11' 18.4800", W110° 51' 28.2500"	8000	VNAV	280	FLY_BY	TF
OTUKE	WP	N32° 22' 32.2900", W111° 04' 40.9200"	6000	VNAV	210	FLY_OVER	TF

Flyability

Flight Type:	RNAV_STAR
Selected Airport:	KTUS
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 ZONNA2 path ELP_OTUKE

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	TUS	N32° 05' 42.7296", W110° 54' 53.4781"	9.0 E	130	H	User	NO	Enabled	6.6 %	6.6 %
2	EWM	N31° 57' 06.4300", W106° 16' 20.8500"	12.0 E	130	H	IFPA	NO	Enabled	32.7 %	32.7 %
3	DMN	N32° 16' 31.9851", W107° 36' 19.8046"	12.0 E	130	H	IFPA	NO	Enabled	61 %	60.9 %
4	TCS	N33° 16' 57.0079", W107° 16' 49.9655"	13.0 E	130	H	IFPA	NO	Enabled	58.6 %	58.5 %
5	TUS	N32° 05' 42.7296", W110° 54' 53.4781"	12.0 E	130	H	IFPA	NO	Enabled	6.6 %	6.6 %
6	CME	N33° 20' 14.9092", W104° 37' 16.4817"	12.0 E	130	H	IFPA	NO	Enabled	1.9 %	1.9 %
7	FHU	N31° 35' 22.7618", W110° 21' 17.7929"	13.0 E	25	T	IFPA	NO	Enabled	7.7 %	7.7 %
8	CNM	N32° 15' 23.8082", W104° 13' 33.7354"	12.0 E	130	H	IFPA	NO	Enabled	9.4 %	9.4 %
9	SJN	N34° 25' 26.5500", W109° 08' 36.7100"	12.0 E	130	H	IFPA	NO	Enabled	0.8 %	0.8 %
10	SSO	N32° 16' 09.2820", W109° 15' 47.1150"	13.0 E	130	H	IFPA	NO	Enabled	64.5 %	64.5 %
11	TFD	N32° 53' 09.0757", W111° 54' 31.4443"	12.0 E	130	H	IFPA	NO	Enabled	7 %	7 %
12	DUG	N31° 28' 21.6250", W109° 36' 07.3931"	13.0 E	130	H	IFPA	NO	Enabled	40 %	40 %
13	CUS	N31° 49' 08.7618", W107° 34' 28.1778"	12.0 E	40	L	IFPA	NO	Enabled	0.8 %	0.8 %
14	ELP	N31° 48' 57.2770", W106° 16' 54.7782"	12.0 E	130	H	IFPA	NO	Enabled	38.1 %	38 %

DME DME Assessment Results for ZONNA2 path ELP_OTUKE

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	EWM	DMN	CNM	TCS	CME	
4.7	EWM	DMN	ELP	TCS	CNM	
23.7	EWM	TCS	ELP	DMN		
24.5	EWM	TCS	ELP	DMN	SSO	
62.3	TCS	ELP	EWM	SSO		
78.7	DMN	SSO	TCS	ELP	EWM	
82.1	TCS	SSO	DMN	ELP		
83.9	TCS	SSO	DMN	ELP	DUG	
94.4	TCS	SSO	DMN	DUG		
98.5	TCS	SSO	ELP	DMN	DUG	
104.0	TCS	SSO	DUG	DMN		
142.0	SSO	DUG	DMN			
142.8	SSO	DUG	TCS	DMN		
143.6	SSO	DUG	DMN			
149.1	DMN	SSO	DUG	TCS		
153.5	DMN	SSO	DUG			
159.0	DMN	DUG				
162.0	DMN	DUG	SSO			
162.7	CUS	DUG	DMN	SSO	SJN	
164.8	DMN	DUG	SSO	TFD		
165.3	DMN	DUG	SSO			
165.4	SSO	DUG	DMN	TFD		
169.5	SSO	DUG	TFD			
170.1	SSO	DUG	FHU	TFD		
170.8	TUS	DUG	SSO	FHU	TFD	
179.7	SSO	DUG	TUS	FHU		
181.1	FHU	TUS	SSO			
184.0	FHU	SSO				
189.5						
221.1	DUG	TUS				
221.3	DUG	TUS	TFD			
224.2	DUG	TUS				
224.6						

Inertial Drift Segments			
#	Start Location	End Location	Length [NM]
1	N32° 11' 26.8281", W109° 57' 49.5530"	N32° 10' 24.1276", W110° 34' 49.1779"	31.4742
2	N32° 10' 37.7184", W110° 38' 55.2250"	N32° 22' 32.2900", W111° 04' 40.9200"	26.4891

Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
ELP	PENSL	CNM, DMN, TCS, DUG, ELP, EWM, CME, SSO	
PENSL	ZONNA_	CUS, FHU, TFD, TUS, DMN, TCS, SJN, DUG, SSO	
ZONNA_	SSAND	FHU, TUS, TFD, DUG, SSO	
SSAND	VOTTO	TUS, TFD, DUG	
VOTTO	JECEK	TUS, TFD, DUG	
JECEK	OTUKE		

DME DME Assessment Results for ZONNA2 path ELP_OTUKE

User Data Files

File Name

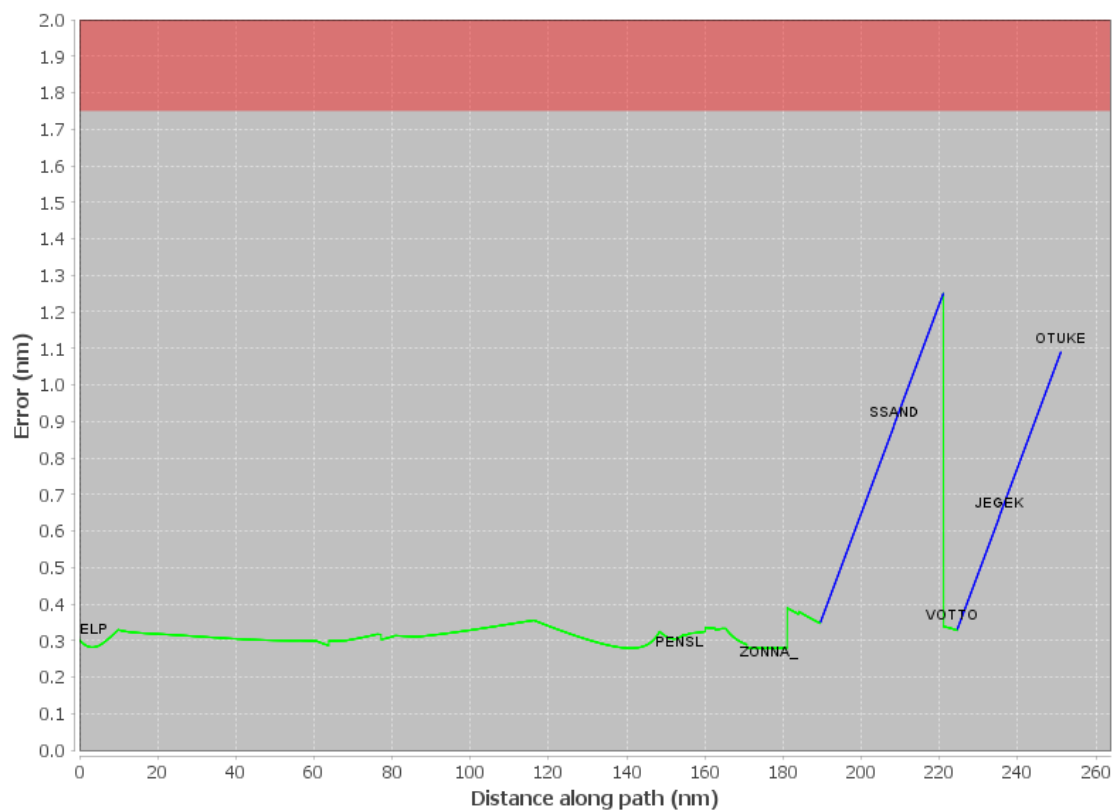
None

User DMEs

#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	DUG FAA 131966 - 022 DUG [IFPA]	N31° 28' 21.6250", W109° 36' 07.3931"	13.0 E	130	4130.5	108.8	DUG FAA 131966 - 022	
ESV:		Bearing [True]: 305.0° to 313.0° Bearing [Mag]: 292.0° to 300.0°				Arc Distance: Out to 71.0 NM Altitude: 8300.0 to 18700.0 ft		
2	TFD FAA 704183-052 TFD [IFPA]	N32° 53' 09.0757", W111° 54' 31.4443"	12.0 E	130	1316	114.8	TFD FAA 704183-052	
ESV:		Bearing [True]: 119.0° to 126.0° Bearing [Mag]: 107.0° to 114.0°				Arc Distance: Out to 82.0 NM Altitude: 8300.0 to 15900.0 ft		
3	SJN FAA 704093-044 SJN [IFPA]	N34° 25' 26.5500", W109° 08' 36.7100"	12.0 E	130	6840	112.3	SJN FAA 704093-044	
ESV:		Bearing [True]: 182.0° to 191.0° Bearing [Mag]: 170.0° to 179.0°				Arc Distance: Out to 137.0 NM Altitude: 20000.0 to 29000.0 ft		
4	CUS FAA 698115 - 010 CUS [IFPA]	N31° 49' 08.7618", W107° 34' 28.1778"	12.0 E	40	4008	111.2	CUS FAA 698115 - 010	
ESV:		Bearing [True]: 282.0° to 291.0° Bearing [Mag]: 270.0° to 279.0°				Arc Distance: Out to 106.0 NM Altitude: 20000.0 to 29000.0 ft		
5	FHU AR 123110 - 004 FHU [IFPA]	N31° 35' 22.7618", W110° 21' 17.7929"	13.0 E	25	4665	113.6	FHU AR 123110 - 004	
ESV:		Bearing [True]: 26.0° to 50.0° Bearing [Mag]: 13.0° to 37.0°				Arc Distance: Out to 58.0 NM Altitude: 14200.0 to 29000.0 ft		

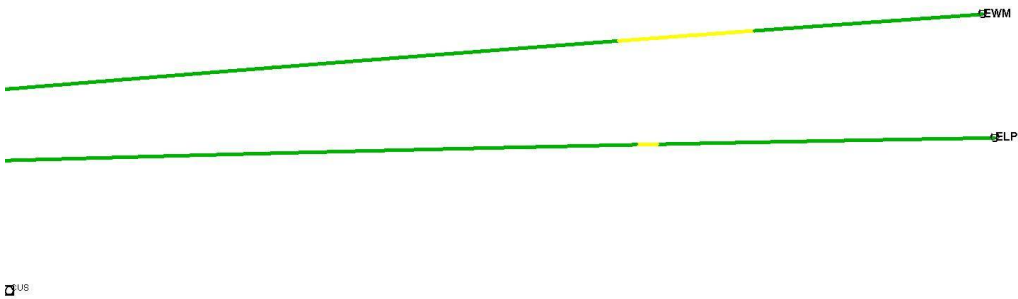
DME DME Assessment Results for ZONNA2 path ELP_OTUKE

DME Error



DME DME Assessment Results for ZONNA2 path ELP_OTUKE

Graphic Depiction 1



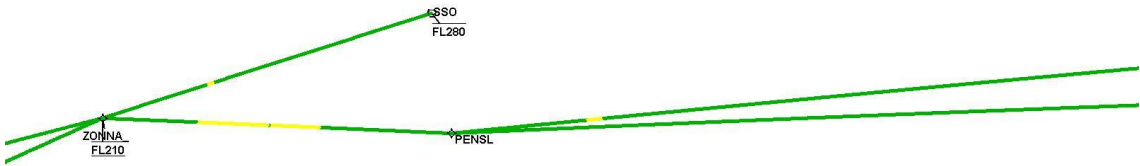
DME DME Assessment Results for ZONNA2 path ELP_OTUKE

Graphic Depiction 2



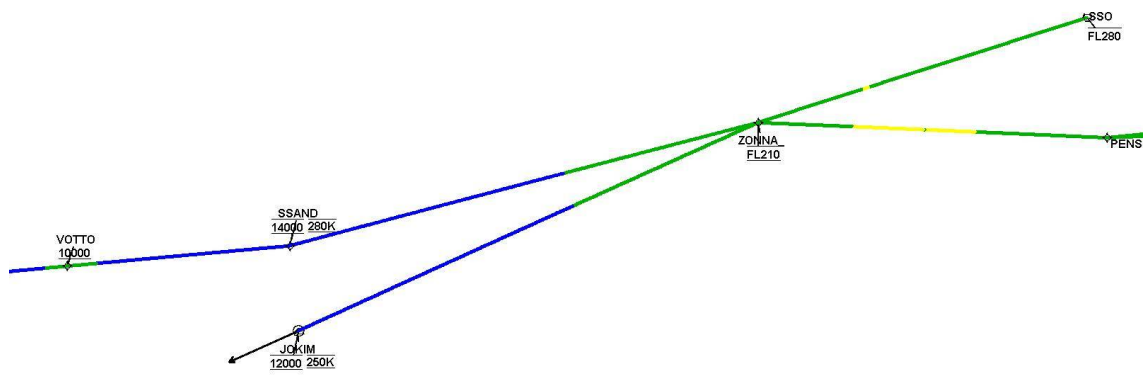
DME DME Assessment Results for ZONNA2 path ELP_OTUKE

Graphic Depiction 3

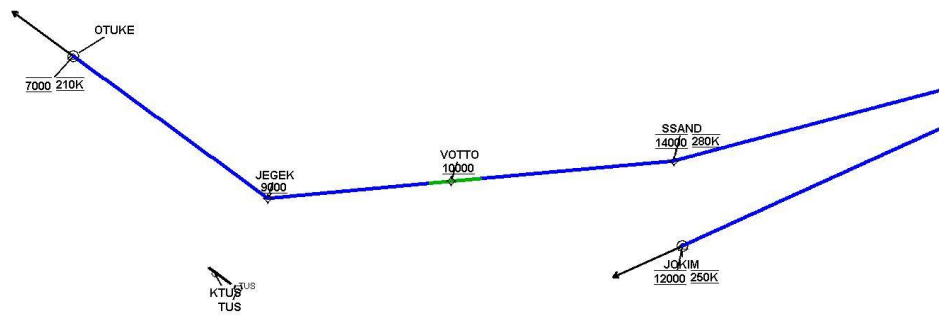


DME DME Assessment Results for ZONNA2 path ELP_OTUKE

Graphic Depiction 4



DME DME Assessment Results for ZONNA2 path ELP_OTUKE



DME DME Assessment Results for ZONNA2 path EWM_PENSL

Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Joshua G-CTR Brechbi
Project File:	C:\Users\Joshua G-CTR Brechbi\OneDrive - Federal Aviation Administration\Desktop\Tucson\ZONNA\KTUS ZONNA TWO STAR 20230509 DME Brechbiel.tgs
Output File:	C:\Users\Joshua G-CTR Brechbi\OneDrive - Federal Aviation Administration\Desktop\Tucson\ZONNA\KTUS ZONNA2 20230503_1140 CDT\EWM_PENSL\KTUS ZONNA2 RNAV STAR EWM PENSL 20230503_1140 CDT.pdf
Procedure Name:	ZONNA2
Software: DmeDmePlugin:	7.1.0
Date/Time:	05/03/2023 11:40 CDT
Databases:	DTED Level 0 Max

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
EWM	WP	N31° 57' 06.4300", W106° 16' 20.8500"	23000	VNAV	280	FLY_BY	TF
PENSL	WP	N32° 08' 09.4000", W109° 15' 44.0300"	23000	VNAV	280	FLY_BY	TF

Flyability

Flight Type:	RNAV_STAR
Selected Airport:	KTUS
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 ZONNA2 path EWM_PENSL

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	CNM	N32° 15' 23.8082", W104° 13' 33.7354"	12.0 E	130	H	IFPA	NO	Enabled	15.8 %	15.8 %
2	EWM	N31° 57' 06.4300", W106° 16' 20.8500"	12.0 E	130	H	IFPA	NO	Enabled	49.5 %	49.5 %
3	DMN	N32° 16' 31.9851", W107° 36' 19.8046"	12.0 E	130	H	IFPA	NO	Enabled	90.3 %	90.3 %
4	SSO	N32° 16' 09.2820", W109° 15' 47.1150"	13.0 E	130	H	IFPA	NO	Enabled	84.7 %	84.7 %
5	TCS	N33° 16' 57.0079", W107° 16' 49.9655"	13.0 E	130	H	IFPA	NO	Enabled	96.8 %	96.8 %
6	DUG	N31° 28' 21.6250", W109° 36' 07.3931"	13.0 E	130	H	IFPA	NO	Enabled	45.1 %	45.1 %
7	ELP	N31° 48' 57.2770", W106° 16' 54.7782"	12.0 E	130	H	IFPA	NO	Enabled	58.4 %	58.4 %
8	CME	N33° 20' 14.9092", W104° 37' 16.4817"	12.0 E	130	H	IFPA	NO	Enabled	10.9 %	10.9 %

DME DME Assessment Results for ZONNA2 path EWM_PENSL

Flight Check DME Selection

Distance [NM]	Selected DMEs					Alternate
0.0	DMN	ELP	CNM	TCS	CME	
14.0	EWM	TCS	CNM	DMN	ELP	
24.3	EWM	TCS	DMN	ELP	SSO	
63.8	TCS	ELP	EWM	SSO		
76.8	TCS	SSO	ELP	DMN	EWM	
79.5	TCS	SSO	EWM	DMN		
81.8	TCS	SSO	ELP	DMN		
82.7	TCS	SSO	ELP	EWM	DMN	
84.8	TCS	SSO	DMN	DUG		
87.0	TCS	SSO	ELP	DMN	DUG	
93.6	TCS	SSO	DUG			
95.2	TCS	SSO	ELP	EWM	DMN	DUG
95.6	TCS	SSO	DUG	DMN		
143.9	SSO	DUG	DMN			
148.7	DMN	SSO	DUG	TCS		

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
EWM	PENSL	CNM, DMN, TCS, DUG, ELP, CME, EWM, SSO	

User Data Files

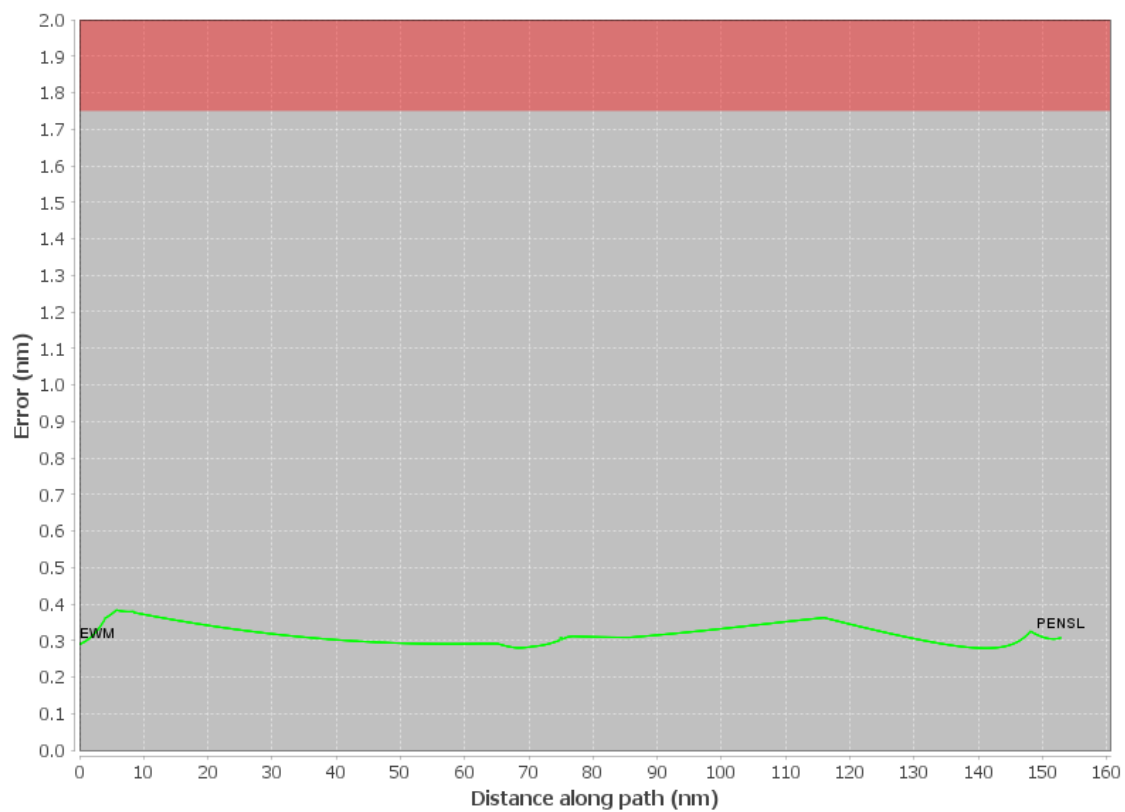
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User DMEs

#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	DUG FAA 131966 - 022 DUG [IFPA]	N31° 28' 21.6250", W109° 36' 07.3931"	13.0 E	130	4130.5	108.8	DUG FAA 131966 - 022	
ESV:		Bearing [True]: 305.0° to 313.0° Bearing [Mag]: 292.0° to 300.0°				Arc Distance: Out to 71.0 NM Altitude: 8300.0 to 18700.0 ft		
2	TFD FAA 704183-052 TFD [IFPA]	N32° 53' 09.0757", W111° 54' 31.4443"	12.0 E	130	1316	114.8	TFD FAA 704183-052	
ESV:		Bearing [True]: 119.0° to 126.0° Bearing [Mag]: 107.0° to 114.0°				Arc Distance: Out to 82.0 NM Altitude: 8300.0 to 15900.0 ft		
3	SJN FAA 704093-044 SJN [IFPA]	N34° 25' 26.5500", W109° 08' 36.7100"	12.0 E	130	6840	112.3	SJN FAA 704093-044	
ESV:		Bearing [True]: 182.0° to 191.0° Bearing [Mag]: 170.0° to 179.0°				Arc Distance: Out to 137.0 NM Altitude: 20000.0 to 29000.0 ft		
4	CUS FAA 698115 - 010 CUS [IFPA]	N31° 49' 08.7618", W107° 34' 28.1778"	12.0 E	40	4008	111.2	CUS FAA 698115 - 010	
ESV:		Bearing [True]: 282.0° to 291.0° Bearing [Mag]: 270.0° to 279.0°				Arc Distance: Out to 106.0 NM Altitude: 20000.0 to 29000.0 ft		
5	FHU AR 123110 - 004 FHU [IFPA]	N31° 35' 22.7618", W110° 21' 17.7929"	13.0 E	25	4665	113.6	FHU AR 123110 - 004	
ESV:		Bearing [True]: 26.0° to 50.0° Bearing [Mag]: 13.0° to 37.0°				Arc Distance: Out to 58.0 NM Altitude: 14200.0 to 29000.0 ft		

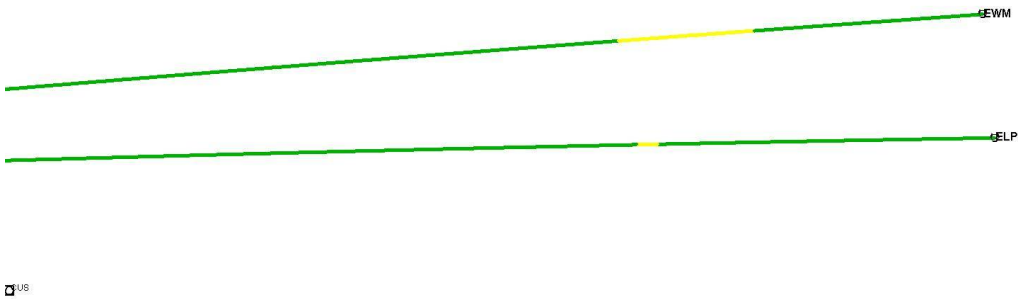
DME DME Assessment Results for ZONNA2 path EWM_PENSL

DME Error

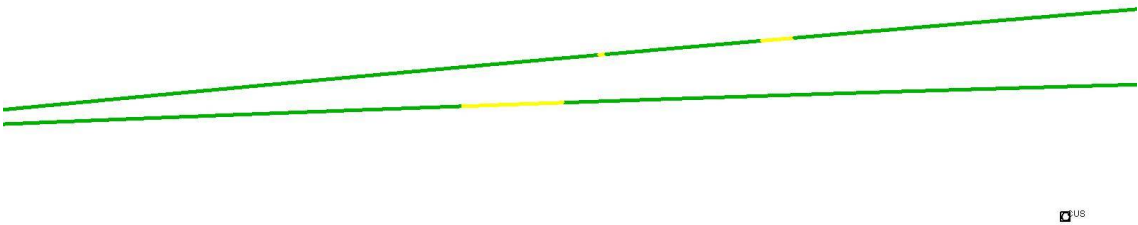


DME DME Assessment Results for ZONNA2 path EWM_PENSL

Graphic Depiction 1

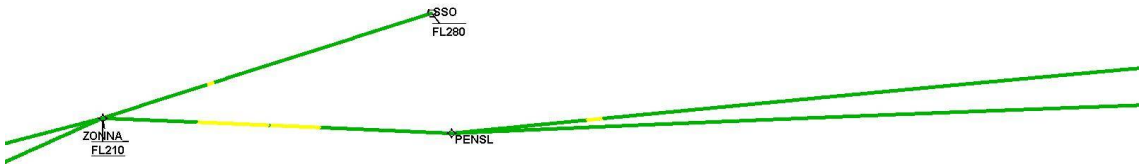


Graphic Depiction 2



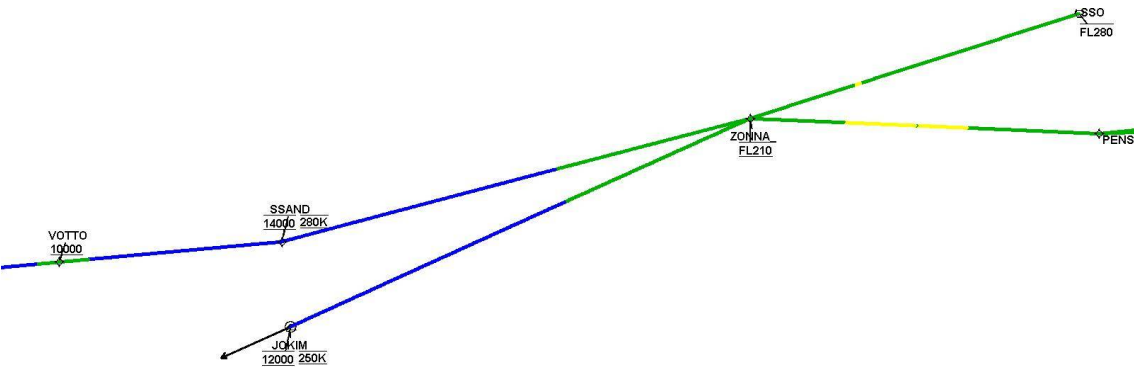
DME DME Assessment Results for ZONNA2 path EWM_PENSL

Graphic Depiction 3



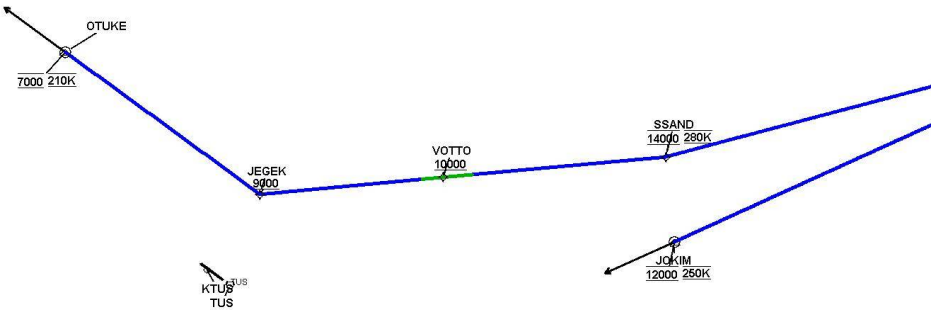
DME DME Assessment Results for ZONNA2 path EWM_PENSL

Graphic Depiction 4



DME DME Assessment Results for ZONNA2 path EWM_PENSL

Graphic Depiction 5



DME DME Assessment Results for ZONNA2 path SSO_JOKIM

Results Summary

Flyability:	Completed
DME/DME:	Completed - No Critical DMEs
Name:	Joshua G-CTR Brechbi
Project File:	C:\Users\Joshua G-CTR Brechbi\OneDrive - Federal Aviation Administration\Desktop\Tucson\ZONNA\KTUS ZONNA TWO STAR 20230509 DME Brechbiel.tgs
Output File:	C:\Users\Joshua G-CTR Brechbi\OneDrive - Federal Aviation Administration\Desktop\Tucson\ZONNA\KTUS ZONNA2 20230503_1140 CDT\SSO_JOKIM\KTUS ZONNA2 RNAV STAR SSO JOKIM 20230503_1140 CDT.pdf
Procedure Name:	ZONNA2
Software: DmeDmePlugin:	7.1.0
Date/Time:	05/03/2023 11:40 CDT
Databases:	DTED Level 0 Max

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
SSO	WP	N32° 16' 09.2820", W109° 15' 47.1150"	21000	VNAV	280	FLY_BY	TF
ZONNA_	WP	N32° 12' 44.2204", W109° 42' 20.5720"	21000	VNAV	280	FLY_BY	TF
JOKIM	WP	N32° 03' 56.3600", W110° 20' 12.2200"	11000	VNAV	250	FLY_OVER	TF

Flyability

Flight Type:	RNAV_STAR
Selected Airport:	KTUS
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 ZONNA2 path SSO_JOKIM

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	TUS	N32° 05' 42.7296", W110° 54' 53.4781"	9.0 E	130	H	User	NO	Enabled	26.3 %	26.3 %
2	SJN	N34° 25' 26.5500", W109° 08' 36.7100"	12.0 E	130	H	IFPA	NO	Enabled	27.7 %	27.7 %
3	DMN	N32° 16' 31.9851", W107° 36' 19.8046"	12.0 E	130	H	IFPA	NO	Enabled	27.7 %	27.7 %
4	SSO	N32° 16' 09.2820", W109° 15' 47.1150"	13.0 E	130	H	IFPA	NO	Enabled	56 %	56 %
5	TFD	N32° 53' 09.0757", W111° 54' 31.4443"	12.0 E	130	H	IFPA	NO	Enabled	25.2 %	25.2 %
6	DUG	N31° 28' 21.6250", W109° 36' 07.3931"	13.0 E	130	H	IFPA	NO	Enabled	48.9 %	48.9 %
7	CUS	N31° 49' 08.7618", W107° 34' 28.1778"	12.0 E	40	L	IFPA	NO	Enabled	28 %	28 %
8	TUS	N32° 05' 42.7296", W110° 54' 53.4781"	12.0 E	130	H	IFPA	NO	Enabled	26.3 %	26.3 %
9	FHU	N31° 35' 22.7618", W110° 21' 17.7929"	13.0 E	25	T	IFPA	NO	Enabled	37.3 %	37.3 %

Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0	CUS	DUG	DMN	SJN		
3.7	CUS	DUG	DMN	SJN	SSO	
15.6	SSO	DUG	CUS	TFD	FHU	
15.8	SSO	DUG	TFD	FHU		
16.0	TUS	DUG	SSO	TFD	FHU	
26.1	SSO	DUG	TUS	FHU		
27.5	FHU	TUS				
28.4	FHU	TUS	SSO			
30.5	FHU	SSO				
36.1						

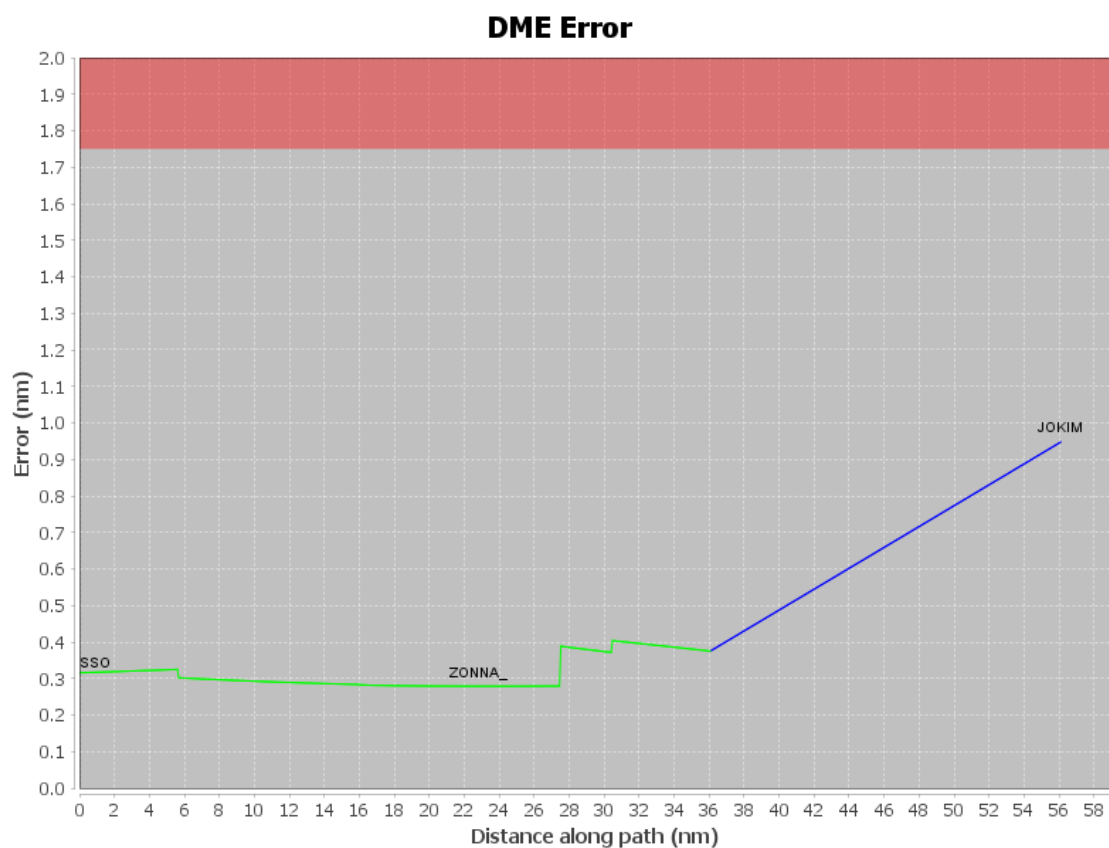
DME DME Assessment Results for ZONNA2 path SSO_JOKIM

Inertial Drift Segments			
#	Start Location	End Location	Length [NM]
1	N32° 09' 13.9459", W109° 57' 32.2219"	N32° 03' 56.3600", W110° 20' 12.2200"	19.9635

Available DMEs by Waypoints			
Waypoint Before	Waypoint After	DME List	Suggested DMEs
SSO	ZONNA_	CUS, FHU, TFD, TUS, DMN, SJN, DUG, SSO	
ZONNA_	JOKIM	FHU, TUS, TFD, DUG, SSO	

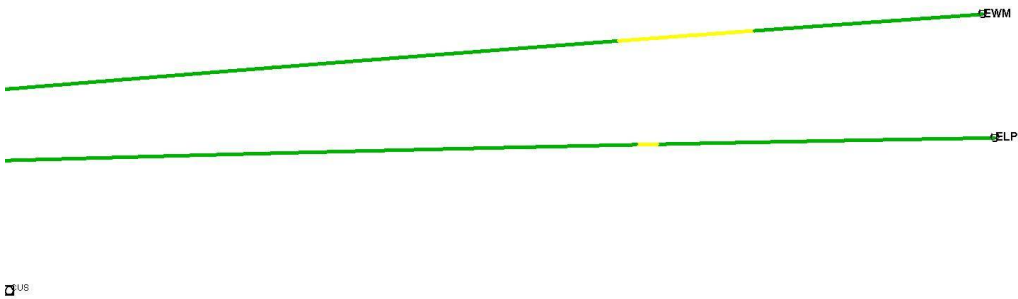
User Data Files								
#	File Name							
None								
User DMEs								
#	Name	Lat/Lon	MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	DUG FAA 131966 - 022 DUG [IFPA]	N31° 28' 21.6250", W109° 36' 07.3931"	13.0 E	130	4130.5	108.8	DUG FAA 131966 - 022	
ESV:		Bearing [True]: 305.0° to 313.0° Bearing [Mag]: 292.0° to 300.0°				Arc Distance: Out to 71.0 NM Altitude: 8300.0 to 18700.0 ft		
2	TFD FAA 704183-052 TFD [IFPA]	N32° 53' 09.0757", W111° 54' 31.4443"	12.0 E	130	1316	114.8	TFD FAA 704183-052	
ESV:		Bearing [True]: 119.0° to 126.0° Bearing [Mag]: 107.0° to 114.0°				Arc Distance: Out to 82.0 NM Altitude: 8300.0 to 15900.0 ft		
3	SJN FAA 704093-044 SJN [IFPA]	N34° 25' 26.5500", W109° 08' 36.7100"	12.0 E	130	6840	112.3	SJN FAA 704093-044	
ESV:		Bearing [True]: 182.0° to 191.0° Bearing [Mag]: 170.0° to 179.0°				Arc Distance: Out to 137.0 NM Altitude: 20000.0 to 29000.0 ft		
4	CUS FAA 698115 - 010 CUS [IFPA]	N31° 49' 08.7618", W107° 34' 28.1778"	12.0 E	40	4008	111.2	CUS FAA 698115 - 010	
ESV:		Bearing [True]: 282.0° to 291.0° Bearing [Mag]: 270.0° to 279.0°				Arc Distance: Out to 106.0 NM Altitude: 20000.0 to 29000.0 ft		
5	FHU AR 123110 - 004 FHU [IFPA]	N31° 35' 22.7618", W110° 21' 17.7929"	13.0 E	25	4665	113.6	FHU AR 123110 - 004	
ESV:		Bearing [True]: 26.0° to 50.0° Bearing [Mag]: 13.0° to 37.0°				Arc Distance: Out to 58.0 NM Altitude: 14200.0 to 29000.0 ft		

DME DME Assessment Results for ZONNA2 path SSO_JOKIM



DME DME Assessment Results for ZONNA2 path SSO_JOKIM

Graphic Depiction 1

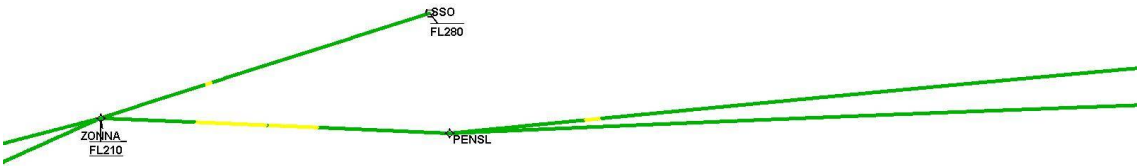


Graphic Depiction 2

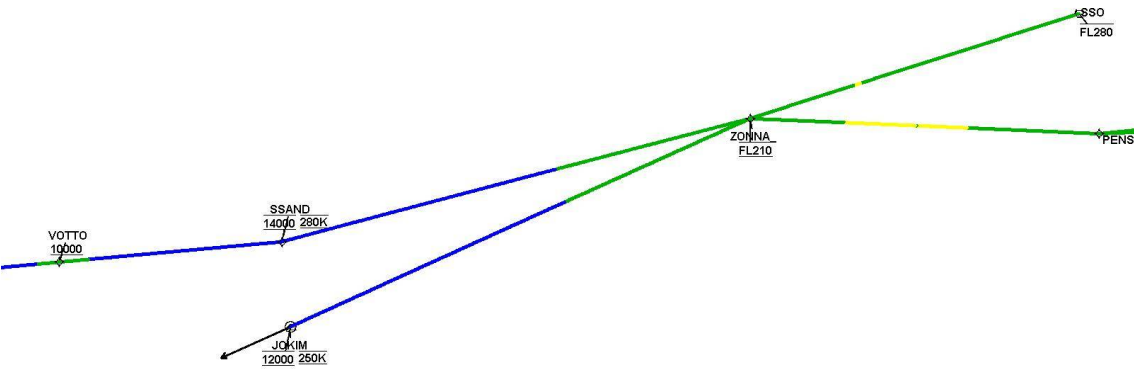


DME DME Assessment Results for ZONNA2 path SSO_JOKIM

Graphic Depiction 3



DME DME Assessment Results for ZONNA2 path SSO_JOKIM



DME DME Assessment Results for ZONNA2 path SSO_JOKIM

Graphic Depiction 5

