

Name: MARK SCHOENHOFF
Project Name: KSDF MBELL2 STAR
Output File: KSDF MBELL2 STAR
BRBON AWLEE
20160105_0711
Procedure Name: MBELL2
Software: RNAV-Pro™
Version: 2.39g
Date/Time: 1/5/2016 7:15:01 AM
Input File: [KSDF MBELL2 STAR
BRBON AWLEE
20160105_0631.txt](#)
Databases: AIRNAV Date: 11/16/2015
CIFP Date: 9/18/2015
DTED® (MAX) Date: 2002

Results Summary:

Flyability



DME/DME



No Critical DMEs Exist

Radars

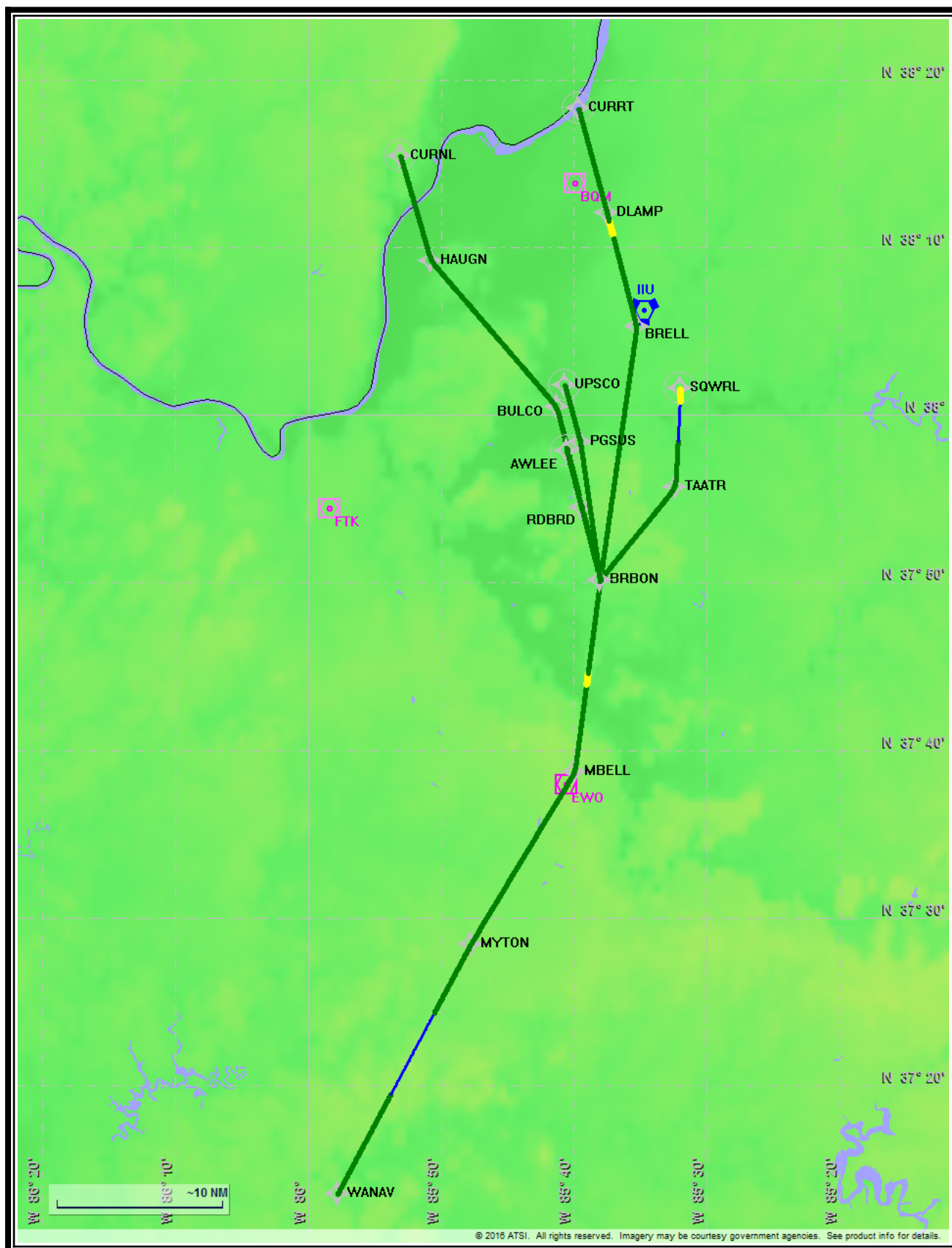


Comms



TERPS

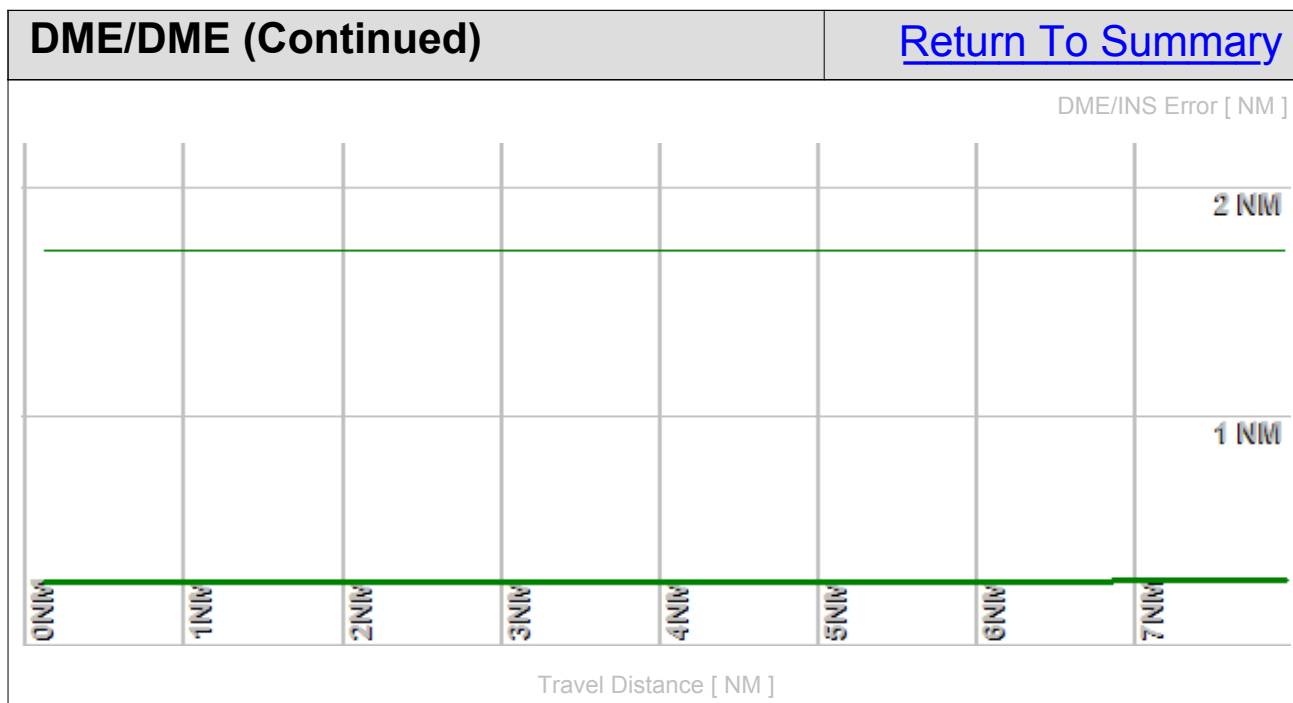




Flight Plan					Return To Summary		
Name	Type	Lat/Lon	Alt [ft]	VNAV Mode	IAS [Kts]	Turn Type	Leg Type
BRBON	WP	N 37° 50' 9.94" W 85° 38' 0.33"	5000.0	Step	180.0	Fly By	TF
RDBRD	WP	N 37° 54' 26.53" W 85° 39' 24.36"	5000.0	Step	180.0	Fly By	TF
AWLEE	WP	N 37° 57' 51.97" W 85° 40' 31.76"	4000.0	Step	180.0	Fly Over	TF

Flyability		Return To Summary
Settings:	Flight Type: Arrival Selected Airport: KSDF Aircraft Category: Cat D Climb Gradient: <i>None assigned</i> Ground Speeds: Table: 200.0 Kts up to 11000.0 ft 240.0 Kts up to 18000.0 ft 260.0 Kts up to 24000.0 ft 340.0 Kts up to 99900.0 ft Wind Settings: <i>None assigned</i> Descent During a Turn: Allowed VNAV Mode: Flight Plan	
	Entire track is fly-able	

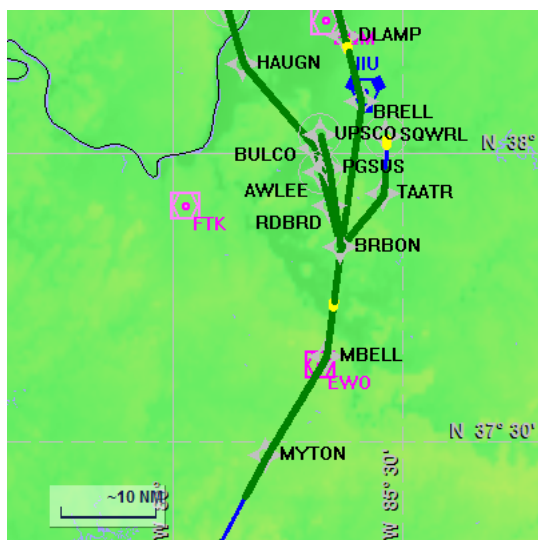
DME/DME		Return To Summary
Settings:	RNP: 2.0	
	Flight Mode: Manual	
	Line of Sight (DTED Level 0 Max): Evaluated	
	DME Restrictions: Evaluated	
	Inertial Drift: Enabled	
	Initial Drift: 0.558 NM	
	INS Drift Rate: 8.000 NM/Hour	
	Range Mode: OSV	
	Co-Frequencies: Evaluated	
	RNP Edges: Evaluated	
	Min DME Range: 3.0 NM	
	Allowed Gap Length: 4.0 NM	
	DME Types: VOR/DME, VORTAC, Standalone, and User	
	DME Include Angles: 30 to 150	
	Critical DMEs: Allowed	
	DoD Facilities: Not included	
Foreign Facilities: Not included		
Low DMEs: Included		
Terminal DMEs: Included		
Flight Check DMEs: Selected		
Higher Altitudes: Evaluated		
Near Maximum Altitude: Evaluated		
Total Number of DMEs Used: 5		
Maximum DME Error: 0.287 NM.		
No Critical DMEs were found.		
Available DMEs: BQM, HYK, FTK, EWO, IIU		
Disabled DMEs: ABB		



DME/DME (Continued)						Return To Summary			
DMEs Used									
#	Name	Lat/Lon/MAGVAR	Range	Source	Critical	Err. [NM]	Status	Time	Distance
1	BQM	N 38° 13' 48.79" W 85° 39' 53.08" 01 W	T + ESV	User	NO	0.287	Enabled	37.1%	37.1%
2	HYK	N 37° 57' 58.94" W 84° 28' 20.98" 00 E	L + ESV	User	NO	0.287	Enabled	5.6%	5.6%
3	FTK	N 37° 54' 25.98" W 85° 58' 21.23" 01 W	T + ESV	User	NO	0.377	Enabled	94.4%	94.4%
4	IIU	N 38° 6' 12.47" W 85° 34' 38.77" 01 E	H	Database	NO	0.287	Enabled	19.6%	19.6%
5	EWO	N 37° 37' 54.52" W 85° 40' 33.16" 01 E	L	Database	NO	0.289	Enabled	43.4%	43.4%
	Total Coverage							100.0%	100.0%
Flight Check DME Selection									
Distance [NM]		Selected DMEs						Alternate	
0.0		HYK	BQM	FTK	IIU	EWO			
4.4		HYK	BQM	FTK	IIU	EWO			

Available DMEs by Waypoints		Return To Summary
Waypoint Before	Waypoint After	DME List
BRBON	RDBRD	FTK, HYK, BQM, EWO, and IIU
RDBRD	AWLEE	FTK, HYK, BQM, EWO, and IIU

User Data					Return To Summary		
User Data Files							
#	File Name						
1	KSDF MBELL STAR.udt						
2	UserDMEs_KSDF MBELL STAR MBELL STYKR 20111122.udt						
User DMEs							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	BQM	N 38° 13' 48.79" W 85° 39' 53.08" 01 W	T	539.5	112.20	BQM	Used
		ESV:	Bearing [True]: 177.0° to 192.0° Bearing [Mag]: 178.0° to 193.0°		Arc Distance: Out to 49.0 NM Altitude: 5500.0 to 18000.0 ft		
2	CCT	N 37° 22' 56.71" W 87° 15' 49.32" 01 W	L	450.0	109.80	CCT	Not Used
		ESV:	Bearing [True]: 80.0° to 90.0° Bearing [Mag]: 81.0° to 91.0°		Arc Distance: Out to 78.0 NM Altitude: 8000.0 to 18000.0 ft		
3	HYK	N 37° 57' 58.94" W 84° 28' 20.98" 00 E	L	1038.8	112.60	HYK	Used
		ESV:	Bearing [True]: 243.0° to 290.0° Bearing [Mag]: 243.0° to 290.0°		Arc Distance: Out to 75.0 NM Altitude: 4500.0 to 23000.0 ft		
4	CVG	N 39° 0' 57.53" W 84° 42' 12.05" 04 W	L	879.4	117.30	CVG	Not Used
		ESV:	Bearing [True]: 212.0° to 231.0° Bearing [Mag]: 216.0° to 235.0°		Arc Distance: Out to 75.0 NM Altitude: 4500.0 to 11000.0 ft		
5	FTK	N 37° 54' 25.98" W 85° 58' 21.23" 01 W	T	734.0	109.60	FTK	Used
		ESV:	Bearing [True]: 20.0° to 65.0° Bearing [Mag]: 21.0° to 66.0°		Arc Distance: Out to 33.0 NM Altitude: 3000.0 to 12000.0 ft		
6	PXV	N 37° 55' 41.95" W 87° 45' 44.56" 03 E	H	384.3	113.30	PXV	Not Used
		Restriction:	Bearing [True]: 3.0° to 3.0° Bearing [Mag]: 360.0° to 360.0°		Distance: Beyond 30.0 NM Altitude: Below 2600.0 ft		
		ESV:	Bearing [True]: 105.0° to 121.0° Bearing [Mag]: 102.0° to 118.0°		Arc Distance: Out to 100.0 NM Altitude: 9000.0 to 16000.0 ft		



Name: MARK SCHOENHOFF
Project Name: KSDF MBELL2 STAR
Output File: KSDF MBELL2 STAR
BRBON CURNL
20160105_0711
Procedure Name: MBELL2
Software: RNAV-Pro™
Version: 2.39g
Date/Time: 1/5/2016 7:14:18 AM
Input File: [KSDF MBELL2 STAR
BRBON CURNL
20160105_0630.txt](#)
Databases: AIRNAV Date: 11/16/2015
CIFP Date: 9/18/2015
DTED® (MAX) Date: 2002

Results Summary:

Flyability



DME/DME



No Critical DMEs Exist

Radars

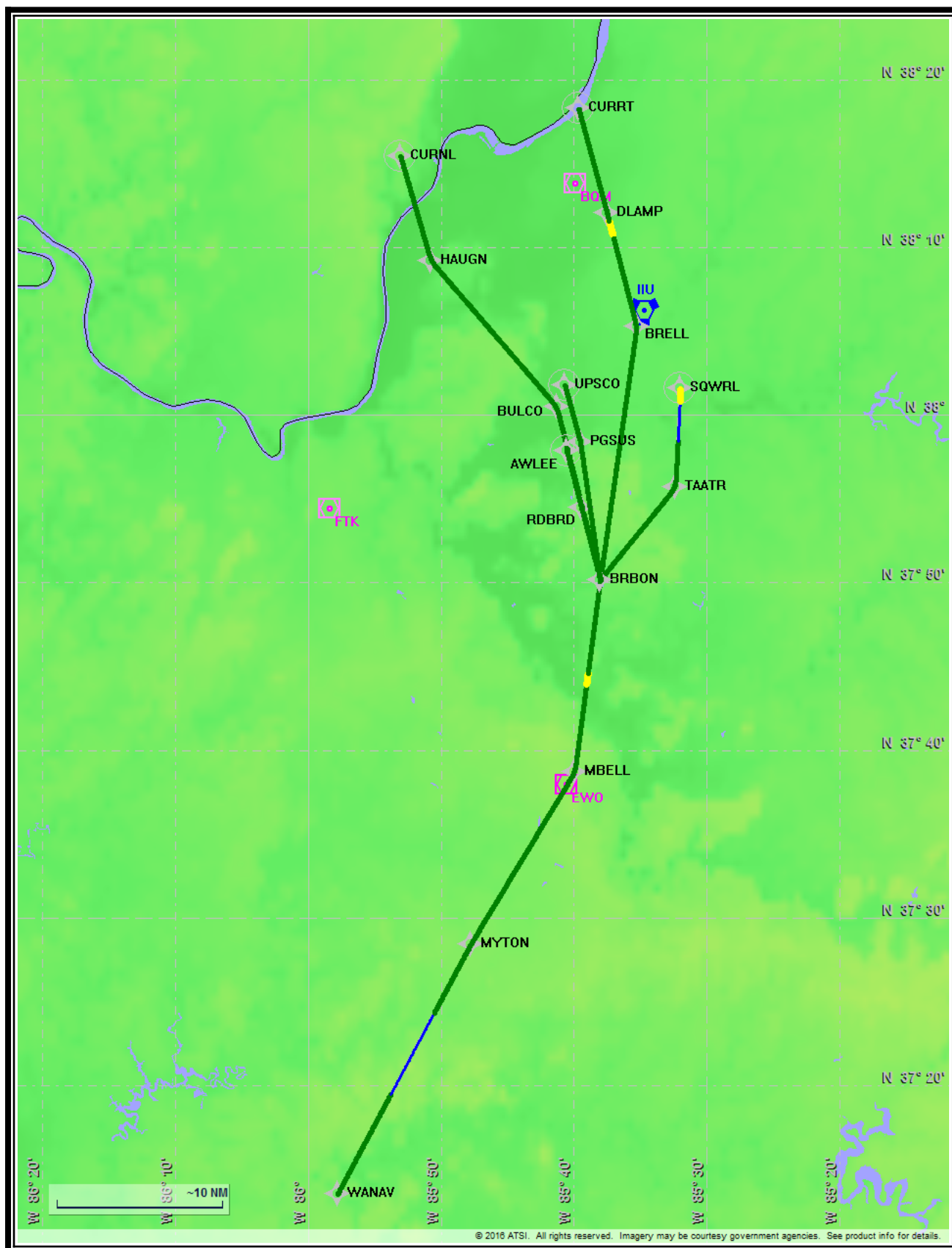


Comms



TERPS

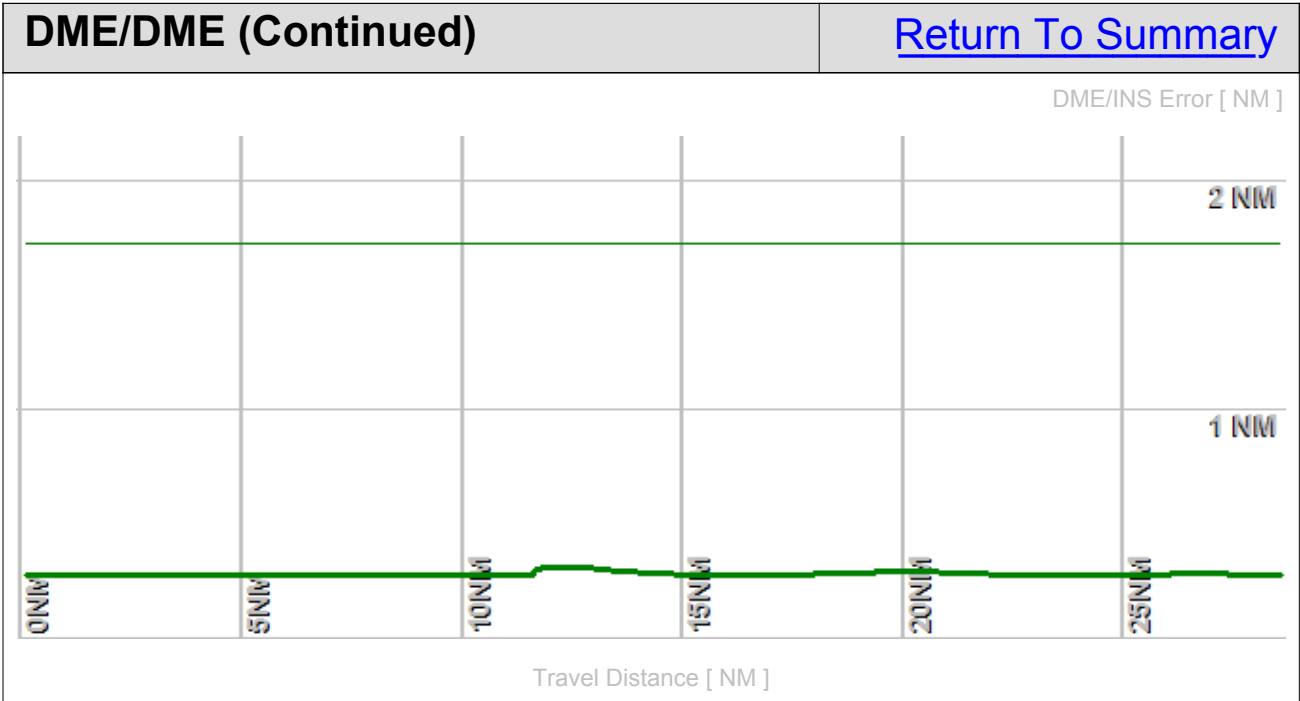




Flight Plan					Return To Summary		
Name	Type	Lat/Lon	Alt [ft]	VNAV Mode	IAS [Kts]	Turn Type	Leg Type
BRBON	WP	N 37° 50' 9.94" W 85° 38' 0.33"	5000.0	Step	180.0	Fly By	TF
BULCO	WP	N 38° 0' 28.33" W 85° 41' 16.46"	5000.0	Step	180.0	Fly By	TF
HAUGN	WP	N 38° 9' 11.74" W 85° 50' 44.80"	4000.0	Step	180.0	Fly By	TF
CURNL	WP	N 38° 15' 26.75" W 85° 53' 2.45"	4000.0	Step	180.0	Fly Over	TF

Flyability		Return To Summary
Settings:	Flight Type: Arrival Selected Airport: KSDF Aircraft Category: Cat D Climb Gradient: <i>None assigned</i> Ground Speeds: Table: 200.0 Kts up to 11000.0 ft 240.0 Kts up to 18000.0 ft 260.0 Kts up to 24000.0 ft 340.0 Kts up to 99900.0 ft Wind Settings: <i>None assigned</i> Descent During a Turn: Allowed VNAV Mode: Flight Plan	
Entire track is fly-able		

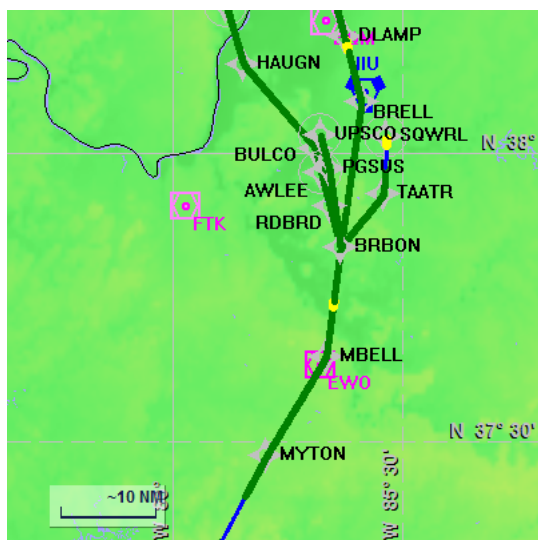
DME/DME		Return To Summary
Settings:	RNP: 2.0	
	Flight Mode: Manual	
	Line of Sight (DTED Level 0 Max): Evaluated	
	DME Restrictions: Evaluated	
	Inertial Drift: Enabled	
	Initial Drift: 0.558 NM	
	INS Drift Rate: 8.000 NM/Hour	
	Range Mode: OSV	
	Co-Frequencies: Evaluated	
	RNP Edges: Evaluated	
	Min DME Range: 3.0 NM	
	Allowed Gap Length: 4.0 NM	
	DME Types: VOR/DME, VORTAC, Standalone, and User	
	DME Include Angles: 30 to 150	
	Critical DMEs: Allowed	
	DoD Facilities: Not included	
Foreign Facilities: Not included		
Low DMEs: Included		
Terminal DMEs: Included		
Flight Check DMEs: Selected		
Higher Altitudes: Evaluated		
Near Maximum Altitude: Evaluated		
Total Number of DMEs Used: 5		
Maximum DME Error: 0.314 NM.		
No Critical DMEs were found.		
Available DMEs: BQM, HYK, FTK, EWO, IIU		
Disabled DMEs: ABB		



DME/DME (Continued)						Return To Summary			
DMEs Used									
#	Name	Lat/Lon/MAGVAR	Range	Source	Critical	Err. [NM]	Status	Time	Distance
1	BQM	N 38° 13' 48.79" W 85° 39' 53.08" 01 W	T + ESV	User	NO	0.314	Enabled	33.5%	33.5%
2	HYK	N 37° 57' 58.94" W 84° 28' 20.98" 00 E	L + ESV	User	NO	0.314	Enabled	23.0%	23.0%
3	FTK	N 37° 54' 25.98" W 85° 58' 21.23" 01 W	T + ESV	User	NO	0.347	Enabled	40.9%	40.9%
4	IIU	N 38° 6' 12.47" W 85° 34' 38.77" 01 E	H	Database	NO	0.376	Enabled	45.1%	45.1%
5	EWO	N 37° 37' 54.52" W 85° 40' 33.16" 01 E	L	Database	NO	0.387	Enabled	57.6%	57.6%
	Total Coverage							100.0%	100.0%
Flight Check DME Selection									
Distance [NM]		Selected DMEs						Alternate	
0.0		HYK	BQM	FTK	IIU	EWO			
10.1		HYK	BQM	FTK	IIU	EWO			
21.5		BQM	FTK	IIU	EWO				

Available DMEs by Waypoints		Return To Summary
Waypoint Before	Waypoint After	DME List
BRBON	BULCO	FTK, HYK, BQM, EWO, and IIU
BULCO	HAUGN	FTK, HYK, BQM, EWO, and IIU
HAUGN	CURNL	FTK, BQM, EWO, and IIU

User Data					Return To Summary		
User Data Files							
#	File Name						
1	KSDF MBELL STAR.udt						
2	UserDMEs_KSDF MBELL STAR MBELL STYKR 20111122.udt						
User DMEs							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	BQM	N 38° 13' 48.79" W 85° 39' 53.08" 01 W	T	539.5	112.20	BQM	Used
		ESV:	Bearing [True]: 177.0° to 192.0° Bearing [Mag]: 178.0° to 193.0°		Arc Distance: Out to 49.0 NM Altitude: 5500.0 to 18000.0 ft		
2	CCT	N 37° 22' 56.71" W 87° 15' 49.32" 01 W	L	450.0	109.80	CCT	Not Used
		ESV:	Bearing [True]: 80.0° to 90.0° Bearing [Mag]: 81.0° to 91.0°		Arc Distance: Out to 78.0 NM Altitude: 8000.0 to 18000.0 ft		
3	HYK	N 37° 57' 58.94" W 84° 28' 20.98" 00 E	L	1038.8	112.60	HYK	Used
		ESV:	Bearing [True]: 243.0° to 290.0° Bearing [Mag]: 243.0° to 290.0°		Arc Distance: Out to 75.0 NM Altitude: 4500.0 to 23000.0 ft		
4	CVG	N 39° 0' 57.53" W 84° 42' 12.05" 04 W	L	879.4	117.30	CVG	Not Used
		ESV:	Bearing [True]: 212.0° to 231.0° Bearing [Mag]: 216.0° to 235.0°		Arc Distance: Out to 75.0 NM Altitude: 4500.0 to 11000.0 ft		
5	FTK	N 37° 54' 25.98" W 85° 58' 21.23" 01 W	T	734.0	109.60	FTK	Used
		ESV:	Bearing [True]: 20.0° to 65.0° Bearing [Mag]: 21.0° to 66.0°		Arc Distance: Out to 33.0 NM Altitude: 3000.0 to 12000.0 ft		
6	PXV	N 37° 55' 41.95" W 87° 45' 44.56" 03 E	H	384.3	113.30	PXV	Not Used
		Restriction:	Bearing [True]: 3.0° to 3.0° Bearing [Mag]: 360.0° to 360.0°		Distance: Beyond 30.0 NM Altitude: Below 2600.0 ft		
		ESV:	Bearing [True]: 105.0° to 121.0° Bearing [Mag]: 102.0° to 118.0°		Arc Distance: Out to 100.0 NM Altitude: 9000.0 to 16000.0 ft		



Name: MARK SCHOENHOFF
Project Name: KSDF MBELL2 STAR
Output File: KSDF MBELL2 STAR
BRBON CURRT
20160105_0711
Procedure Name: MBELL2
Software: RNAV-Pro™
Version: 2.39g
Date/Time: 1/5/2016 7:13:34 AM
Input File: [KSDF MBELL2 STAR
BRBON CURRT
20160105_0628.txt](#)
Databases: AIRNAV Date: 11/16/2015
CIFP Date: 9/18/2015
DTED® (MAX) Date: 2002

Results Summary:

Flyability



DME/DME



No Critical DMEs Exist

Radars

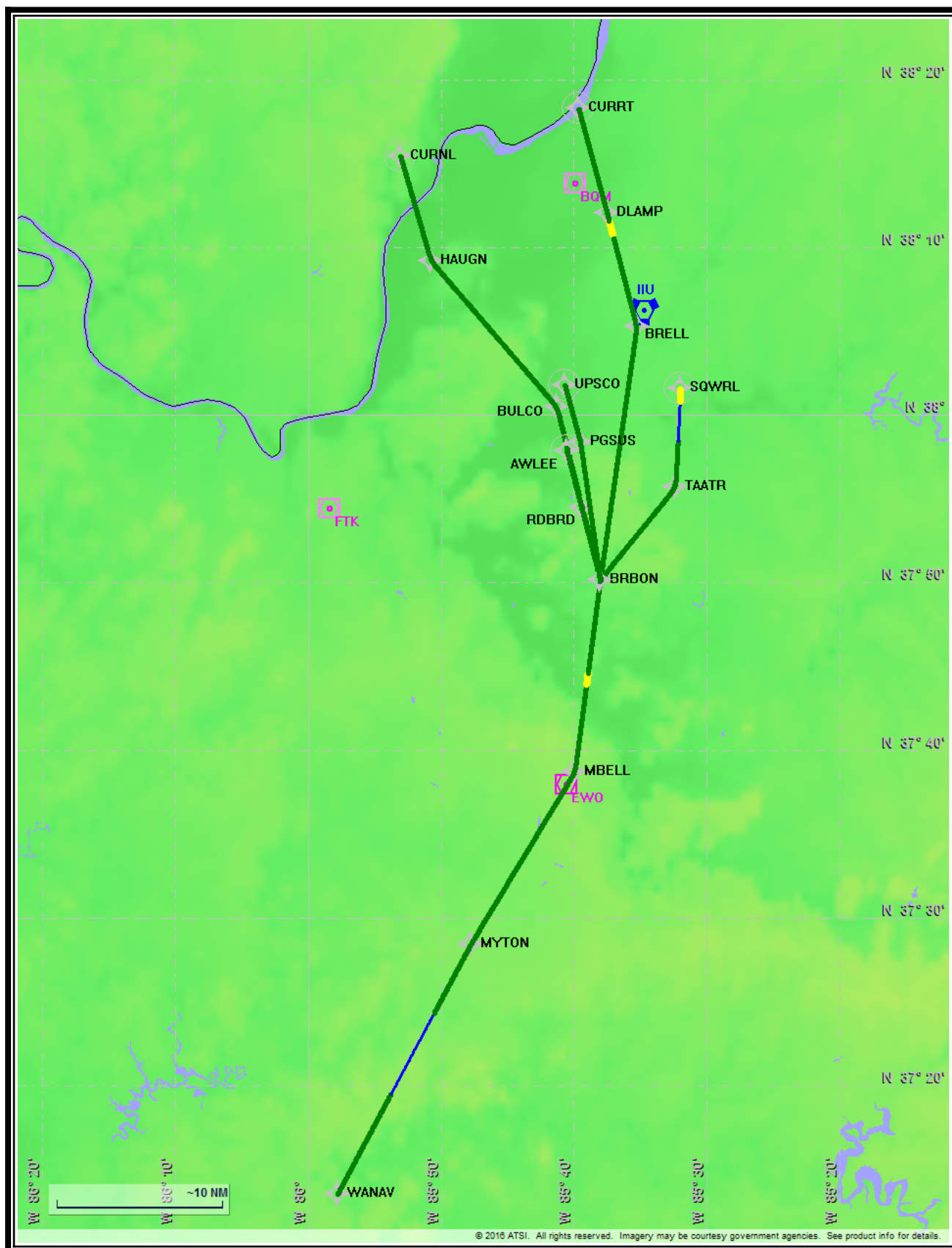


Comms



TERPS

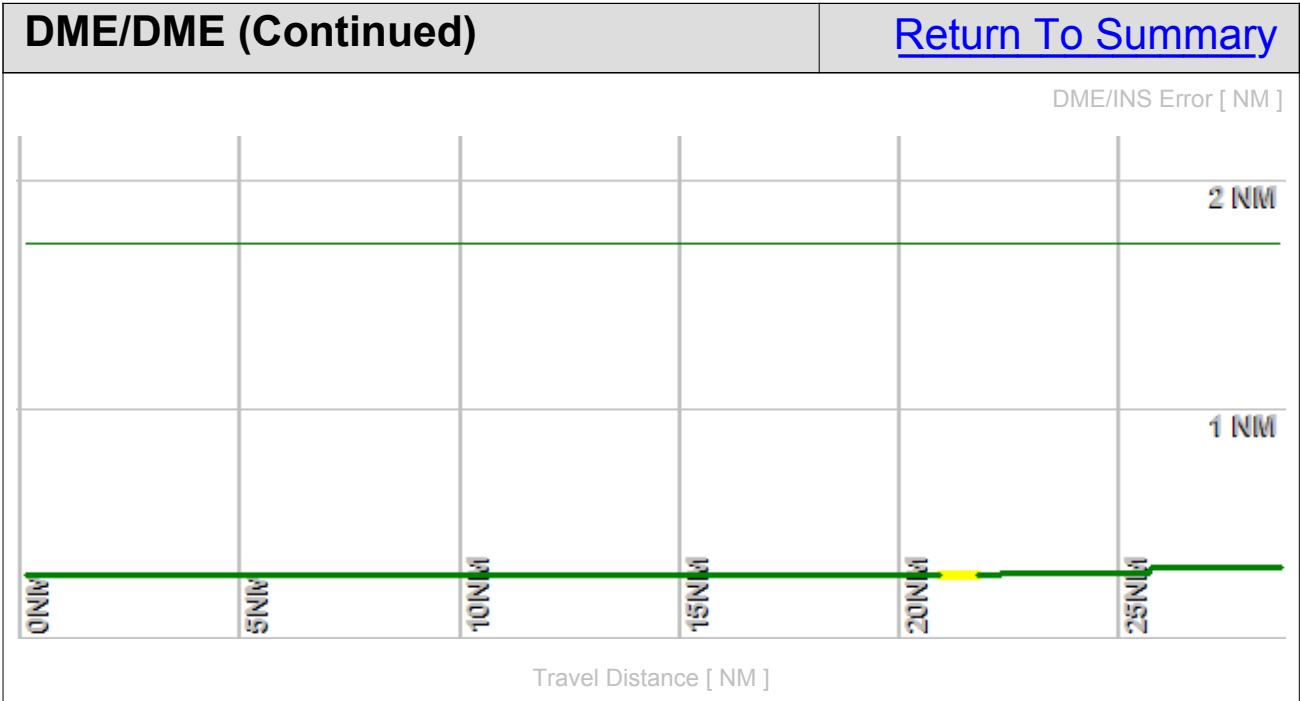




Flight Plan					Return To Summary		
Name	Type	Lat/Lon	Alt [ft]	VNAV Mode	IAS [Kts]	Turn Type	Leg Type
BRBON	WP	N 37° 50' 9.94" W 85° 38' 0.33"	5000.0	Step	180.0	Fly By	TF
BRELL	WP	N 38° 5' 14.95" W 85° 35' 15.79"	5000.0	Step	180.0	Fly By	TF
DLAMP	WP	N 38° 12' 1.95" W 85° 37' 29.40"	5000.0	Step	180.0	Fly By	TF
CURRT	WP	N 38° 18' 18.96" W 85° 39' 38.03"	5000.0	Step	180.0	Fly Over	TF

Flyability		Return To Summary
Settings:	Flight Type: Arrival Selected Airport: KSDF Aircraft Category: Cat D Climb Gradient: <i>None assigned</i> Ground Speeds: Table: 200.0 Kts up to 11000.0 ft 240.0 Kts up to 18000.0 ft 260.0 Kts up to 24000.0 ft 340.0 Kts up to 99900.0 ft Wind Settings: <i>None assigned</i> Descent During a Turn: Allowed VNAV Mode: Flight Plan	
	Entire track is fly-able	

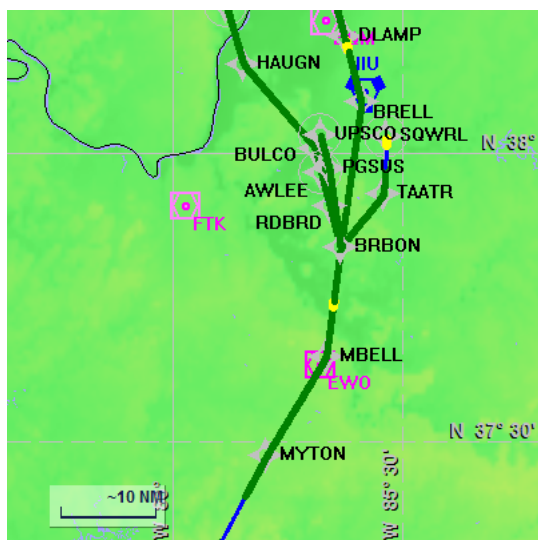
DME/DME	Return To Summary
Settings:	<p> RNP: 2.0 Flight Mode: Manual Line of Sight (DTED Level 0 Max): Evaluated DME Restrictions: Evaluated Inertial Drift: Enabled Initial Drift: 0.558 NM INS Drift Rate: 8.000 NM/Hour Range Mode: OSV Co-Frequencies: Evaluated RNP Edges: Evaluated Min DME Range: 3.0 NM Allowed Gap Length: 4.0 NM DME Types: VOR/DME, VORTAC, Standalone, and User DME Include Angles: 30 to 150 Critical DMEs: Allowed DoD Facilities: Not included Foreign Facilities: Not included Low DMEs: Included Terminal DMEs: Included Flight Check DMEs: Selected Higher Altitudes: Evaluated Near Maximum Altitude: Evaluated </p>
<p> Total Number of DMEs Used: 6 Maximum DME Error: 0.314 NM. No Critical DMEs were found. Available DMEs: BQM, HYK, FTK, EWO, IIU, CVG Disabled DMEs: ABB </p>	



DME/DME (Continued)						Return To Summary			
DMEs Used									
#	Name	Lat/Lon/MAGVAR	Range	Source	Critical	Err. [NM]	Status	Time	Distance
1	BQM	N 38° 13' 48.79" W 85° 39' 53.08" 01 W	T + ESV	User	NO	0.314	Enabled	33.3%	33.3%
2	HYK	N 37° 57' 58.94" W 84° 28' 20.98" 00 E	L + ESV	User	NO	0.440	Enabled	62.0%	62.0%
3	FTK	N 37° 54' 25.98" W 85° 58' 21.23" 01 W	T + ESV	User	NO	0.314	Enabled	27.5%	27.5%
4	IIU	N 38° 6' 12.47" W 85° 34' 38.77" 01 E	H	Database	NO	0.480	Enabled	14.7%	14.7%
5	EWO	N 37° 37' 54.52" W 85° 40' 33.16" 01 E	L	Database	NO	0.314	Enabled	51.9%	51.9%
6	CVG	N 39° 0' 57.53" W 84° 42' 12.05" 04 W	L + ESV	User	NO	0.364	Enabled	10.5%	10.5%
	Total Coverage							100.0%	100.0%
Flight Check DME Selection									
Distance [NM]		Selected DMEs						Alternate	
0.0		HYK	BQM	FTK	IIU	EWO	CVG		
14.7		HYK	BQM	FTK	CVG	EWO	IIU		
22.2		HYK	IIU	FTK	CVG	EWO	BQM		

Available DMEs by Waypoints		Return To Summary
Waypoint Before	Waypoint After	DME List
BRBON	BRELL	FTK, HYK, BQM, EWO, IIU, and CVG*
BRELL	DLAMP	FTK, CVG, HYK, BQM, EWO, and IIU*
DLAMP	CURRT	FTK, CVG, HYK, EWO, IIU, and BQM*

User Data					Return To Summary		
User Data Files							
#	File Name						
1	KSDF MBELL STAR.udt						
2	UserDMEs_KSDF MBELL STAR MBELL STYKR 20111122.udt						
User DMEs							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	BQM	N 38° 13' 48.79" W 85° 39' 53.08" 01 W	T	539.5	112.20	BQM	Used
		ESV:	Bearing [True]: 177.0° to 192.0° Bearing [Mag]: 178.0° to 193.0°		Arc Distance: Out to 49.0 NM Altitude: 5500.0 to 18000.0 ft		
2	CCT	N 37° 22' 56.71" W 87° 15' 49.32" 01 W	L	450.0	109.80	CCT	Not Used
		ESV:	Bearing [True]: 80.0° to 90.0° Bearing [Mag]: 81.0° to 91.0°		Arc Distance: Out to 78.0 NM Altitude: 8000.0 to 18000.0 ft		
3	HYK	N 37° 57' 58.94" W 84° 28' 20.98" 00 E	L	1038.8	112.60	HYK	Used
		ESV:	Bearing [True]: 243.0° to 290.0° Bearing [Mag]: 243.0° to 290.0°		Arc Distance: Out to 75.0 NM Altitude: 4500.0 to 23000.0 ft		
4	CVG	N 39° 0' 57.53" W 84° 42' 12.05" 04 W	L	879.4	117.30	CVG	Used
		ESV:	Bearing [True]: 212.0° to 231.0° Bearing [Mag]: 216.0° to 235.0°		Arc Distance: Out to 75.0 NM Altitude: 4500.0 to 11000.0 ft		
5	FTK	N 37° 54' 25.98" W 85° 58' 21.23" 01 W	T	734.0	109.60	FTK	Used
		ESV:	Bearing [True]: 20.0° to 65.0° Bearing [Mag]: 21.0° to 66.0°		Arc Distance: Out to 33.0 NM Altitude: 3000.0 to 12000.0 ft		
6	PXV	N 37° 55' 41.95" W 87° 45' 44.56" 03 E	H	384.3	113.30	PXV	Not Used
		Restriction:	Bearing [True]: 3.0° to 3.0° Bearing [Mag]: 360.0° to 360.0°		Distance: Beyond 30.0 NM Altitude: Below 2600.0 ft		
		ESV:	Bearing [True]: 105.0° to 121.0° Bearing [Mag]: 102.0° to 118.0°		Arc Distance: Out to 100.0 NM Altitude: 9000.0 to 16000.0 ft		



Name: MARK SCHOENHOFF
Project Name: KSDF MBELL2 STAR
Output File: KSDF MBELL2 STAR
BRBON UPSCO
20160105_0711
Procedure Name: MBELL2
Software: RNAV-Pro™
Version: 2.39g
Date/Time: 1/5/2016 7:15:46 AM
Input File: [KSDF MBELL2 STAR
BRBON UPSCO
20160105_0632.txt](#)
Databases: AIRNAV Date: 11/16/2015
CIFP Date: 9/18/2015
DTED® (MAX) Date: 2002

Results Summary:

Flyability



DME/DME



No Critical DMEs Exist

Radars

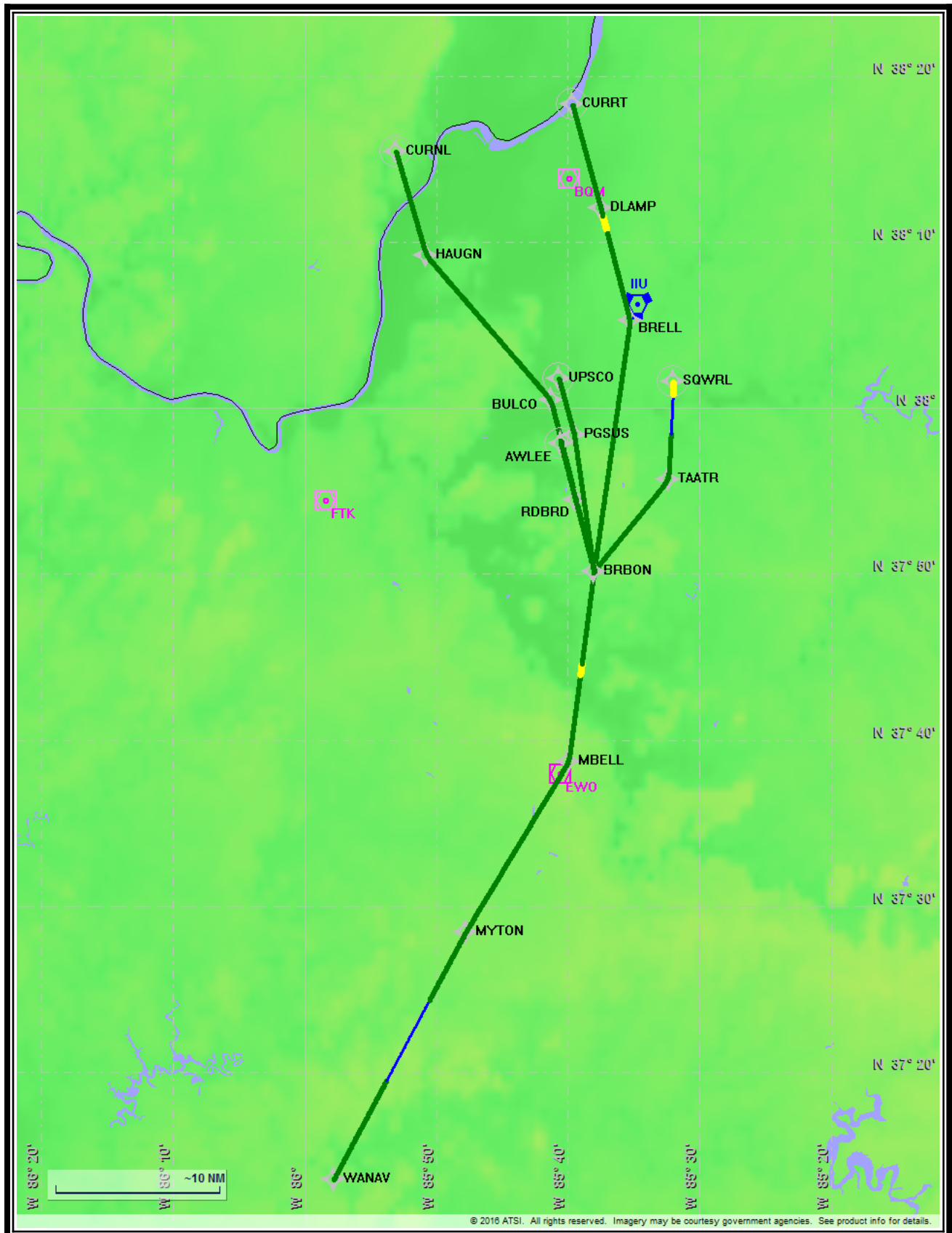


Comms



TERPS

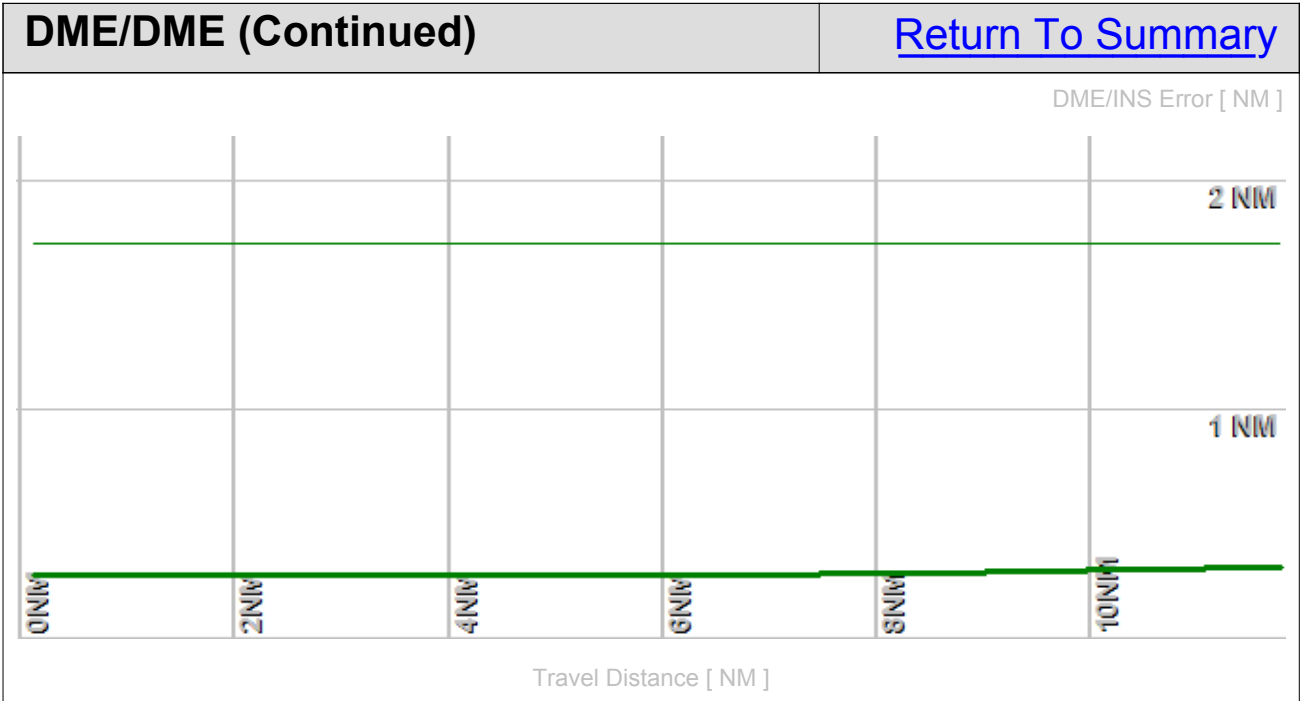




Flight Plan					Return To Summary		
Name	Type	Lat/Lon	Alt [ft]	VNAV Mode	IAS [Kts]	Turn Type	Leg Type
BRBON	WP	N 37° 50' 9.94" W 85° 38' 0.33"	5000.0	Step	180.0	Fly By	TF
PGSUS	WP	N 37° 58' 23.03" W 85° 39' 30.25"	4000.0	Step	180.0	Fly By	TF
UPSCO	WP	N 38° 1' 45.69" W 85° 40' 39.09"	3000.0	Step	180.0	Fly Over	TF

Flyability		Return To Summary
Settings:	Flight Type: Arrival Selected Airport: KSDF Aircraft Category: Cat D Climb Gradient: <i>None assigned</i> Ground Speeds: Table: 200.0 Kts up to 11000.0 ft 240.0 Kts up to 18000.0 ft 260.0 Kts up to 24000.0 ft 340.0 Kts up to 99900.0 ft Wind Settings: <i>None assigned</i> Descent During a Turn: Allowed VNAV Mode: Flight Plan	
	Entire track is fly-able	

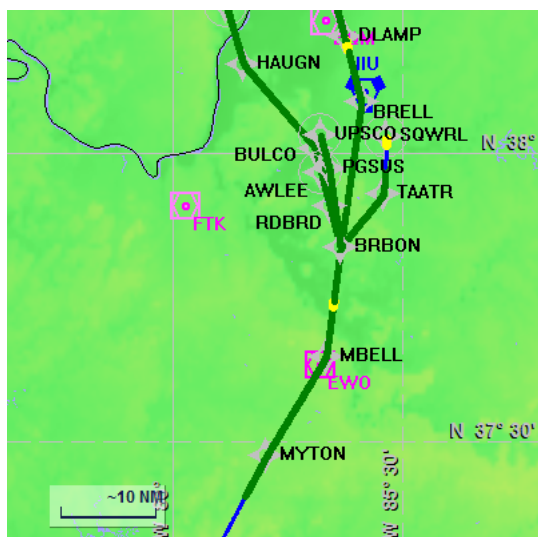
DME/DME		Return To Summary
Settings:	RNP: 2.0	
	Flight Mode: Manual	
	Line of Sight (DTED Level 0 Max): Evaluated	
	DME Restrictions: Evaluated	
	Inertial Drift: Enabled	
	Initial Drift: 0.558 NM	
	INS Drift Rate: 8.000 NM/Hour	
	Range Mode: OSV	
	Co-Frequencies: Evaluated	
	RNP Edges: Evaluated	
	Min DME Range: 3.0 NM	
	Allowed Gap Length: 4.0 NM	
	DME Types: VOR/DME, VORTAC, Standalone, and User	
	DME Include Angles: 30 to 150	
	Critical DMEs: Allowed	
	DoD Facilities: Not included	
Foreign Facilities: Not included		
Low DMEs: Included		
Terminal DMEs: Included		
Flight Check DMEs: Selected		
Higher Altitudes: Evaluated		
Near Maximum Altitude: Evaluated		
Total Number of DMEs Used: 5		
Maximum DME Error: 0.314 NM.		
No Critical DMEs were found.		
Available DMEs: BQM, HYK, FTK, EWO, IIU		
Disabled DMEs: ABB		



DME/DME (Continued)						Return To Summary			
DMEs Used									
#	Name	Lat/Lon/MAGVAR	Range	Source	Critical	Err. [NM]	Status	Time	Distance
1	BQM	N 38° 13' 48.79" W 85° 39' 53.08" 01 W	T + ESV	User	NO	0.314	Enabled	54.7%	54.7%
2	HYK	N 37° 57' 58.94" W 84° 28' 20.98" 00 E	L + ESV	User	NO	0.314	Enabled	1.4%	1.4%
3	FTK	N 37° 54' 25.98" W 85° 58' 21.23" 01 W	T + ESV	User	NO	0.711	Enabled	98.6%	98.6%
4	IIU	N 38° 6' 12.47" W 85° 34' 38.77" 01 E	H	Database	NO	0.314	Enabled	12.7%	12.7%
5	EWO	N 37° 37' 54.52" W 85° 40' 33.16" 01 E	L	Database	NO	0.323	Enabled	32.6%	32.6%
	Total Coverage							100.0%	100.0%
Flight Check DME Selection									
Distance [NM]		Selected DMEs						Alternate	
0.0		HYK	BQM	FTK	IIU	EWO			
8.0		BQM	FTK	IIU	EWO				

Available DMEs by Waypoints		Return To Summary
Waypoint Before	Waypoint After	DME List
BRBON	PGSUS	FTK, HYK, BQM, EWO, and IIU
PGSUS	UPSCO	FTK, BQM, EWO, and IIU

User Data					Return To Summary		
User Data Files							
#	File Name						
1	KSDF MBELL STAR.udt						
2	UserDMEs_KSDF MBELL STAR MBELL STYKR 20111122.udt						
User DMEs							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	BQM	N 38° 13' 48.79" W 85° 39' 53.08" 01 W	T	539.5	112.20	BQM	Used
		ESV:	Bearing [True]: 177.0° to 192.0° Bearing [Mag]: 178.0° to 193.0°		Arc Distance: Out to 49.0 NM Altitude: 5500.0 to 18000.0 ft		
2	CCT	N 37° 22' 56.71" W 87° 15' 49.32" 01 W	L	450.0	109.80	CCT	Not Used
		ESV:	Bearing [True]: 80.0° to 90.0° Bearing [Mag]: 81.0° to 91.0°		Arc Distance: Out to 78.0 NM Altitude: 8000.0 to 18000.0 ft		
3	HYK	N 37° 57' 58.94" W 84° 28' 20.98" 00 E	L	1038.8	112.60	HYK	Used
		ESV:	Bearing [True]: 243.0° to 290.0° Bearing [Mag]: 243.0° to 290.0°		Arc Distance: Out to 75.0 NM Altitude: 4500.0 to 23000.0 ft		
4	CVG	N 39° 0' 57.53" W 84° 42' 12.05" 04 W	L	879.4	117.30	CVG	Not Used
		ESV:	Bearing [True]: 212.0° to 231.0° Bearing [Mag]: 216.0° to 235.0°		Arc Distance: Out to 75.0 NM Altitude: 4500.0 to 11000.0 ft		
5	FTK	N 37° 54' 25.98" W 85° 58' 21.23" 01 W	T	734.0	109.60	FTK	Used
		ESV:	Bearing [True]: 20.0° to 65.0° Bearing [Mag]: 21.0° to 66.0°		Arc Distance: Out to 33.0 NM Altitude: 3000.0 to 12000.0 ft		
6	PXV	N 37° 55' 41.95" W 87° 45' 44.56" 03 E	H	384.3	113.30	PXV	Not Used
		Restriction:	Bearing [True]: 3.0° to 3.0° Bearing [Mag]: 360.0° to 360.0°		Distance: Beyond 30.0 NM Altitude: Below 2600.0 ft		
		ESV:	Bearing [True]: 105.0° to 121.0° Bearing [Mag]: 102.0° to 118.0°		Arc Distance: Out to 100.0 NM Altitude: 9000.0 to 16000.0 ft		



Name: MARK SCHOENHOFF
Project Name: KSDF MBELL2 STAR
Output File: KSDF MBELL2 STAR
 WANAV SQWRL
 20160105_0711
Procedure Name: MBELL2
Software: RNAV-Pro™
Version: 2.39g
Date/Time: 1/5/2016 7:12:48 AM
Input File: [KSDF MBELL2 STAR
 WANAV SQWRL
 20160105_0601.txt](#)
Databases: AIRNAV Date: 11/16/2015
 CIFP Date: 9/18/2015
 DTED® (MAX) Date: 2002

Results Summary:

Flyability



DME/DME



No Critical DMEs Exist

Radars

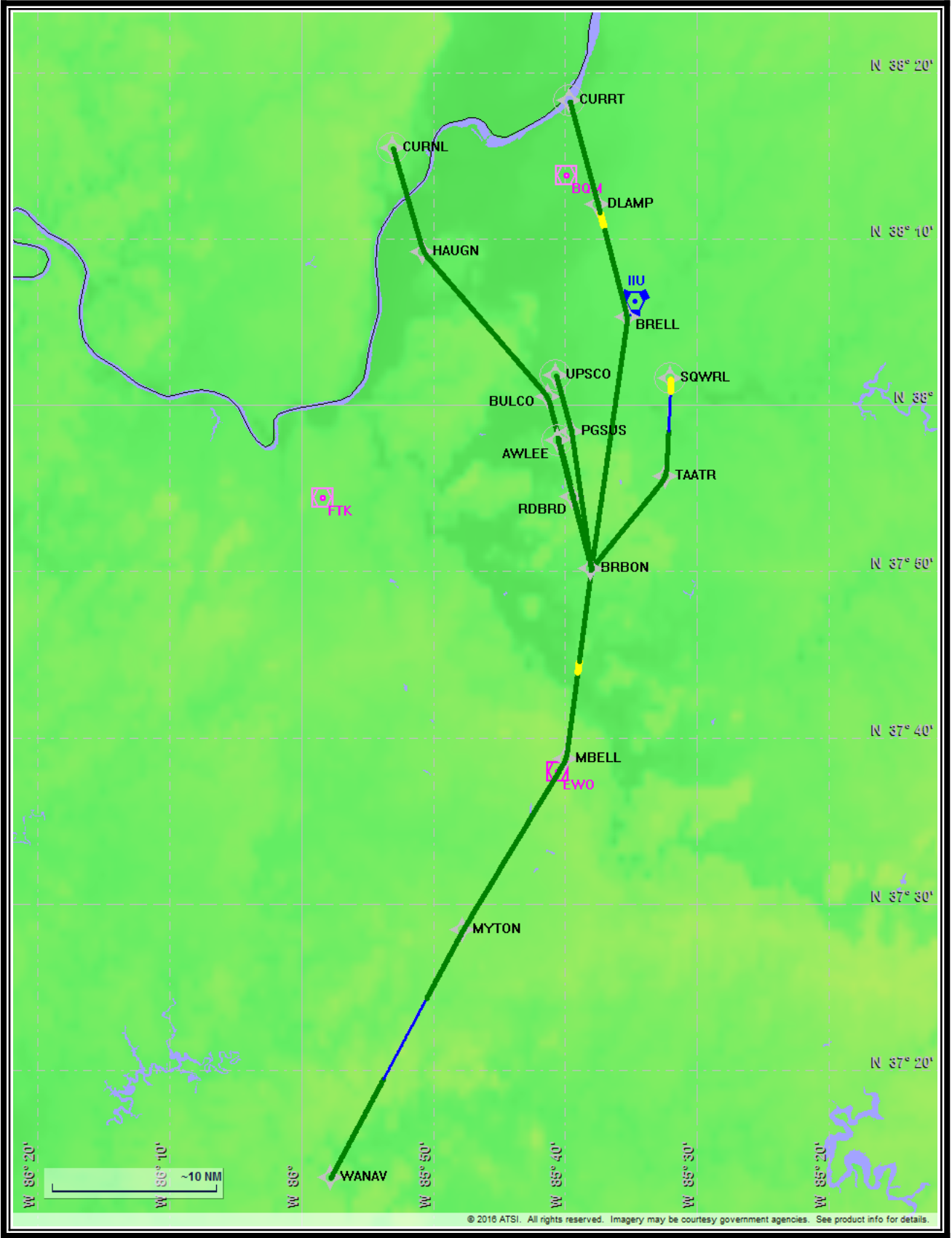


Comms



TERPS

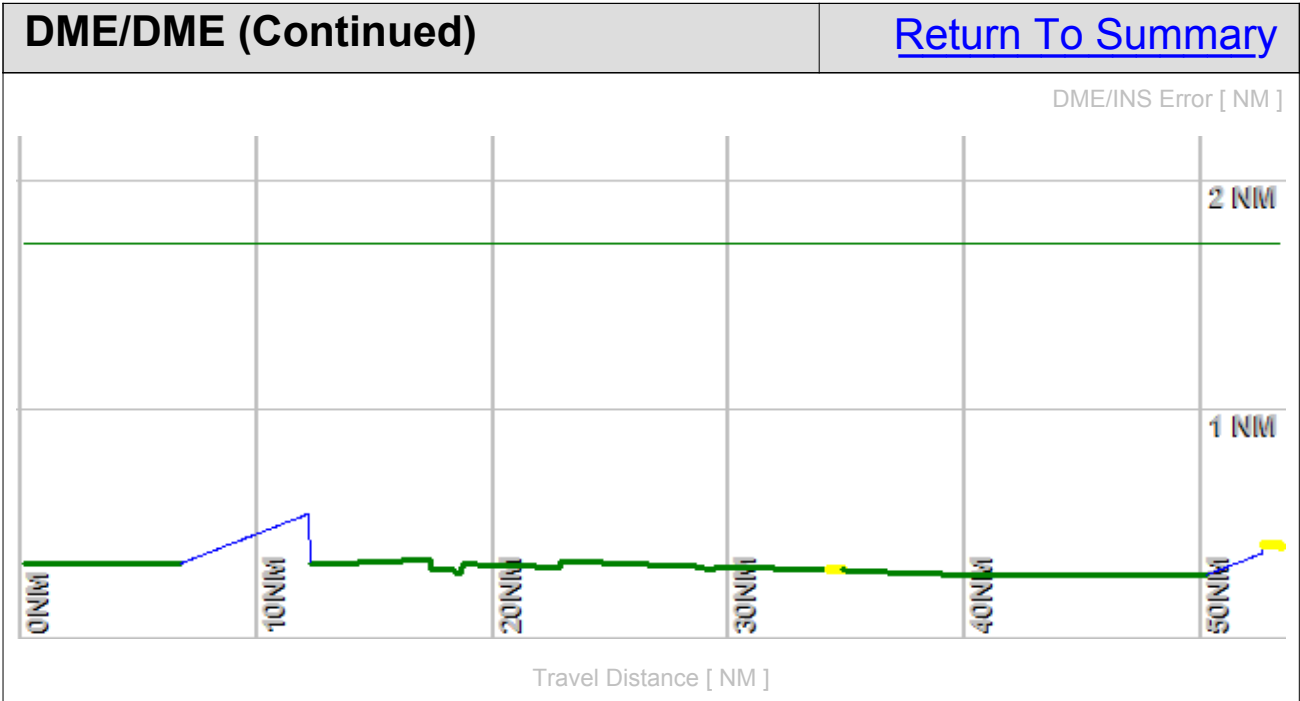




Flight Plan					Return To Summary		
Name	Type	Lat/Lon	Alt [ft]	VNAV Mode	IAS [Kts]	Turn Type	Leg Type
WANAV	WP	N 37° 13' 29.00" W 85° 57' 47.78"	9000.0	Step	180.0	Fly By	TF
MYTON	WP	N 37° 28' 25.00" W 85° 47' 45.00"	9000.0	Step	180.0	Fly By	TF
MBELL	WP	N 37° 38' 42.61" W 85° 39' 54.95"	5000.0	Step	180.0	Fly By	TF
BRBON	WP	N 37° 50' 9.94" W 85° 38' 0.33"	5000.0	Step	180.0	Fly By	TF
TAATR	WP	N 37° 55' 41.49" W 85° 32' 20.56"	4000.0	Step	180.0	Fly By	TF
SQWRL	WP	N 38° 1' 36.14" W 85° 31' 57.60"	3000.0	Step	180.0	Fly Over	TF

Flyability		Return To Summary
Settings:	Flight Type: Arrival Selected Airport: KSDF Aircraft Category: Cat D Climb Gradient: <i>None assigned</i> Ground Speeds: Table: 200.0 Kts up to 11000.0 ft 240.0 Kts up to 18000.0 ft 260.0 Kts up to 24000.0 ft 340.0 Kts up to 99900.0 ft Wind Settings: <i>None assigned</i> Descent During a Turn: Allowed VNAV Mode: Flight Plan	
	Entire track is fly-able	

DME/DME		Return To Summary
Settings:	RNP: 2.0	
	Flight Mode: Manual	
	Line of Sight (DTED Level 0 Max):	Evaluated
	DME Restrictions:	Evaluated
	Inertial Drift:	Enabled
	Initial Drift:	0.558 NM
	INS Drift Rate:	8.000 NM/Hour
	Range Mode:	OSV
	Co-Frequencies:	Evaluated
	RNP Edges:	Evaluated
	Min DME Range:	3.0 NM
	Allowed Gap Length:	4.0 NM
	DME Types:	VOR/DME, VORTAC, Standalone, and User
	DME Include Angles:	30 to 150
	Critical DMEs:	Allowed
	DoD Facilities:	Not included
Foreign Facilities:	Not included	
Low DMEs:	Included	
Terminal DMEs:	Included	
Flight Check DMEs:	Selected	
Higher Altitudes:	Evaluated	
Near Maximum Altitude:	Evaluated	
Total Number of DMEs Used: 7		
Maximum DME Error: 0.549 NM.		
No Critical DMEs were found.		
Available DMEs: PXV, BWG, EWO, CCT, IIU, HYK, BQM, FTK		
Disabled DMEs: ABB		



DME/DME (Continued)						Return To Summary			
DMEs Used									
#	Name	Lat/Lon/MAGVAR	Range	Source	Critical	Err. [NM]	Status	Time	Distance
1	PXV	N 37° 55' 41.95" W 87° 45' 44.56" 03 E	H + ESV	User	NO	1.047	Enabled	12.6%	12.6%
2	EWO	N 37° 37' 54.52" W 85° 40' 33.16" 01 E	L	Database	NO	0.786	Enabled	38.7%	38.7%
3	CCT	N 37° 22' 56.71" W 87° 15' 49.32" 01 W	L + ESV	User	NO	0.787	Enabled	12.1%	12.1%
4	IIU	N 38° 6' 12.47" W 85° 34' 38.77" 01 E	H	Database	NO	0.558	Enabled	36.2%	36.2%
5	BQM	N 38° 13' 48.79" W 85° 39' 53.08" 01 W	T + ESV	User	NO	0.549	Enabled	9.9%	9.9%
6	HYK	N 37° 57' 58.94" W 84° 28' 20.98" 00 E	L + ESV	User	NO	0.702	Enabled	29.0%	29.0%
7	FTK	N 37° 54' 25.98" W 85° 58' 21.23" 01 W	T + ESV	User	NO	0.733	Enabled	31.9%	31.9%
	Total Coverage							85.2%	85.2%
Flight Check DME Selection									
Distance [NM]		Selected DMEs						Alternate	
0.0		CCT	EWO	PXV	BWG				
16.8		CCT	EWO	IIU	HYK	BQM			
28.4		FTK	EWO	IIU	HYK				
39.9		FTK	EWO	IIU	HYK	BQM			
46.9		FTK	EWO	IIU	BQM				
Inertial Drift Segments									
#	Start Location			End Location				Length [NM]	

Available DMEs by Waypoints		Return To Summary
Waypoint Before	Waypoint After	DME List
WANAV	MYTON	PXV, CCT, BWG, and EWO
MYTON	MBELL	HYK, CCT, BQM, EWO, and IIU
MBELL	BRBON	FTK, HYK, EWO, and IIU
BRBON	TAATR	FTK, HYK, BQM, EWO, and IIU
TAATR	SQWRL	FTK, BQM, EWO, and IIU

User Data					Return To Summary		
User Data Files							
#	File Name						
1	KSDF MBELL STAR.udt						
2	UserDMEs_KSDF MBELL STAR MBELL STYKR 20111122.udt						
User DMEs							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	BQM	N 38° 13' 48.79" W 85° 39' 53.08" 01 W	T	539.5	112.20	BQM	Used
		ESV:	Bearing [True]: 177.0° to 192.0° Bearing [Mag]: 178.0° to 193.0°		Arc Distance: Out to 49.0 NM Altitude: 5500.0 to 18000.0 ft		
2	CCT	N 37° 22' 56.71" W 87° 15' 49.32" 01 W	L	450.0	109.80	CCT	Used
		ESV:	Bearing [True]: 80.0° to 90.0° Bearing [Mag]: 81.0° to 91.0°		Arc Distance: Out to 78.0 NM Altitude: 8000.0 to 18000.0 ft		
3	HYK	N 37° 57' 58.94" W 84° 28' 20.98" 00 E	L	1038.8	112.60	HYK	Used
		ESV:	Bearing [True]: 243.0° to 290.0° Bearing [Mag]: 243.0° to 290.0°		Arc Distance: Out to 75.0 NM Altitude: 4500.0 to 23000.0 ft		
4	CVG	N 39° 0' 57.53" W 84° 42' 12.05" 04 W	L	879.4	117.30	CVG	Not Used
		ESV:	Bearing [True]: 212.0° to 231.0° Bearing [Mag]: 216.0° to 235.0°		Arc Distance: Out to 75.0 NM Altitude: 4500.0 to 11000.0 ft		
5	FTK	N 37° 54' 25.98" W 85° 58' 21.23" 01 W	T	734.0	109.60	FTK	Used
		ESV:	Bearing [True]: 20.0° to 65.0° Bearing [Mag]: 21.0° to 66.0°		Arc Distance: Out to 33.0 NM Altitude: 3000.0 to 12000.0 ft		
6	PXV	N 37° 55' 41.95" W 87° 45' 44.56" 03 E	H	384.3	113.30	PXV	Used
		Restriction:	Bearing [True]: 3.0° to 3.0° Bearing [Mag]: 360.0° to 360.0°		Distance: Beyond 30.0 NM Altitude: Below 2600.0 ft		
		ESV:	Bearing [True]: 105.0° to 121.0° Bearing [Mag]: 102.0° to 118.0°		Arc Distance: Out to 100.0 NM Altitude: 9000.0 to 16000.0 ft		