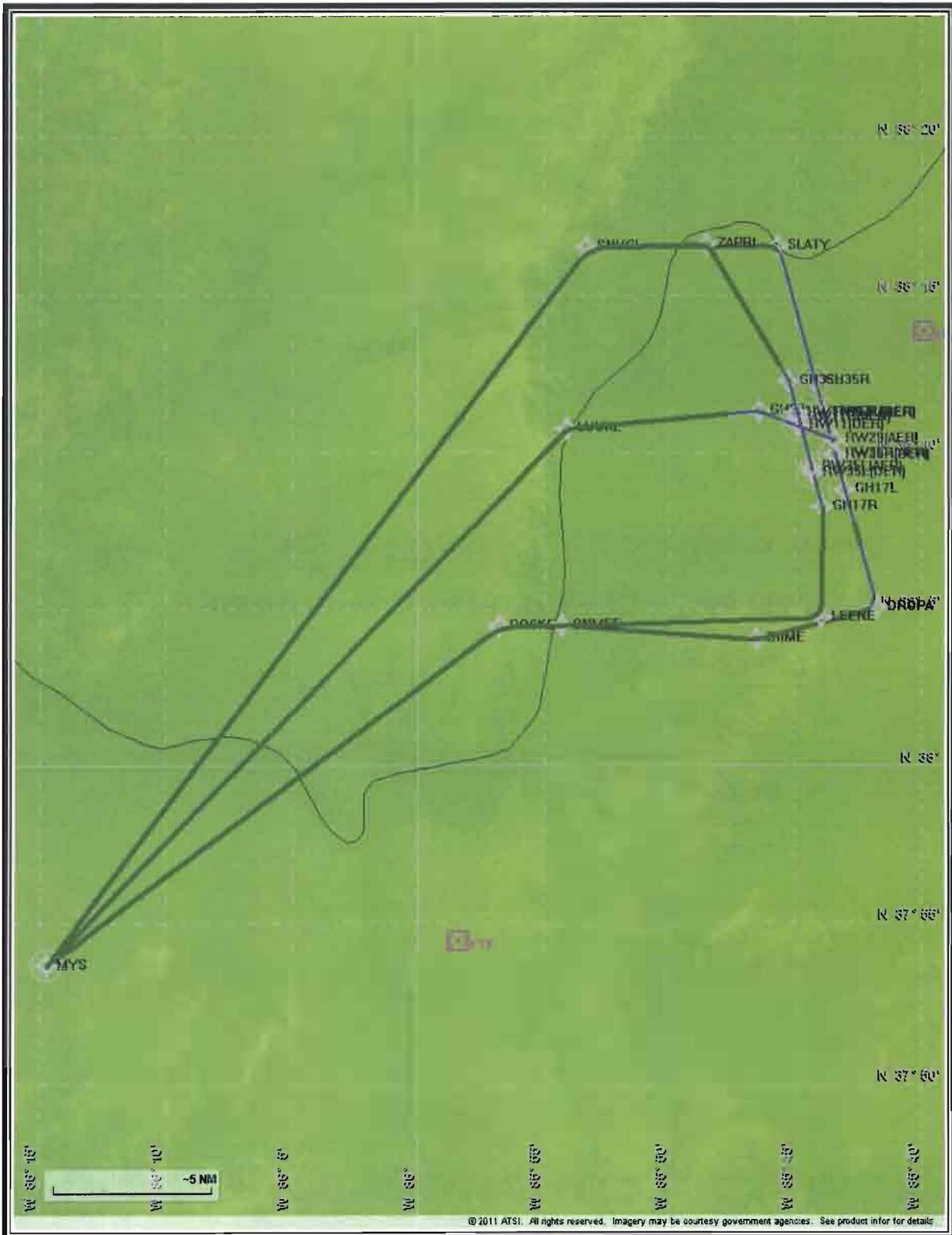




Name: Dennis Osterhage
Project Name: KSDF MYSTIC1 SID RW29
MYS 20111102
Software: RNAV-Pro™
Version: 2.35
Date/Time: 11/4/2011 8:45:35 AM
Input File: KSDF MYSTIC1 SID
RW2...
Databases: AVNIS Date: 08/26/2011
NFD Date: 07/02/2009
DTED® (MAX) Date: 2002

Results Summary:

- Flyability** Please Check **Flyability Results**
- DME/DME**
- Radars**
- Comms**
- TERPS**



Flight Plan					Return To Summary		
Name	Type	Lat/Lon	Alt [Ft]	VNAV Mode	IAS [Kts]	Turn Type	Leg Type
RW29(A...	WP	N 38° 10' 22.99" W 85° 43' 25.77"	480.1	VNAV	0.0	Fly By	TF
RW11(D...	WP	N 38° 10' 48.82" W 85° 44' 50.46"	511.6	VNAV	130.0	Fly Over	VI
GH29:	WP	N 38° 11' 17.29" W 85° 46' 24.02"	1020.0	VNAV	145.0	Fly By	CF - 264.8°
LUUKE	WP	N 38° 10' 44.12" W 85° 54' 2.21"	2232.6	VNAV	180.0	Fly By	TF
MYS	WP	N 37° 53' 38.64" W 86° 14' 40.30"	6953.8	VNAV	180.0	Fly Over	TF

Climb Gradient: 500.0 Ft/NM up to 1020.0 Ft MSL

Flyability

[Return To Summary](#)

Settings:

Flight Type: Departure

Selected Airport: KSDF

Aircraft Category: Cat D

Climb Gradient: 500.0 Ft/NM up to 1020.0 Ft MSL

Ground Speeds:

Departure: **120.0 Kts** out to **10.0 NM**

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: *None assigned*

Descent During a Turn: Allowed

VNAV Mode: Flight Plan

Flight Track comes into contact with terrain. Minimum AGL along route was -30.50 Ft.
Flight Track contacted terrain (DTED lvl 0 max) between AER and DER or within 2/3 NM of DER.

DME/DME

[Return To Summary](#)

Settings:

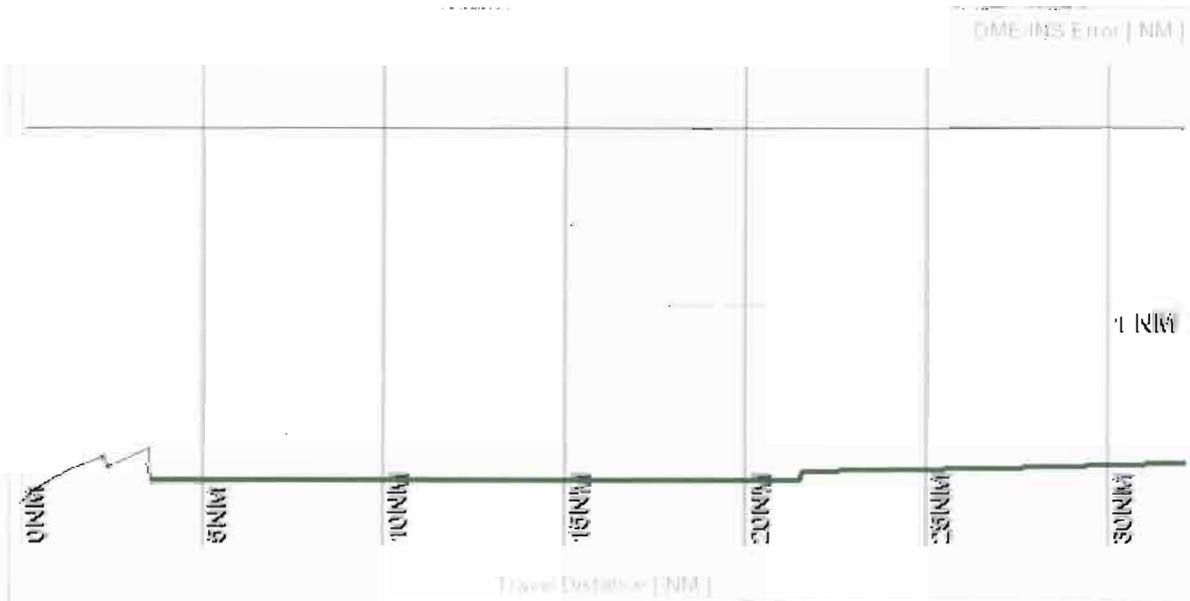
RNP: 2.0
 Flight Mode: Manual
 Line of Sight (DTED Level 0 Max): Evaluated
 DME Restrictions: Evaluated
 Inertial Drift: Enabled
 Initial Drift: 0.165 NM
 INS Drift Rate: 8.000 NM/Hour
 Range Mode: OSV
 Co-Frequencies: Evaluated
 RNP Edges: Evaluated
 Min DME Range: 3.0 NM
 Allowed Gap Length: 4.0 NM
 DME Types: VOR/DME , VORTAC , TACAN , and User
 DME Include Angles: 30 to 150
 Critical DMEs: Allowed
 DoD Facilities: Not included
 Foreign Facilities: Not included
 Low & Terminal DMEs: Included
 Flight Check DMEs: Selected
 Higher Altitudes: Evaluated
 Near Maximum Altitude: Evaluated
 Minimum MSL DMEs Avail: 1020 Ft.

Total Number of DMEs Used: 4

Maximum DME Error: 0.413 NM.

No Critical DMEs were found.

Available DMEs: BQM, IIU, ABB, EWO



DME/DME (Continued.) [Return To Summary](#)

DMEs Used

#	Name	Lat/Lon	Range	Source	Critical	Err. [NM]	Status	Time	Distance
1	BQM	N 38° 13' 48.79" W 85° 39' 53.08"	T	Database	NO	0.465	Enabled	42.2 %	44.6 %
2	IIU	N 38° 6' 12.47" W 85° 34' 38.77"	H	Database	NO	0.706	Enabled	40.3 %	44.9 %
3	ABB	N 38° 35' 19.82" W 85° 38' 9.57"	L	Database	NO	0.662	Enabled	14.8 %	11.6 %
4	EWO	N 37° 37' 54.52" W 85° 40' 33.16"	L	Database	NO	0.846	Enabled	67.2 %	77.4 %

Flight Check DME Selection

Distance [NM]	Selected DMEs	Alternate
0.0		
1.2	BQM	
2.3	BQM IIU ABB EWO	
8.3	BQM IIU ABB EWO	

Inertial Drift Segments

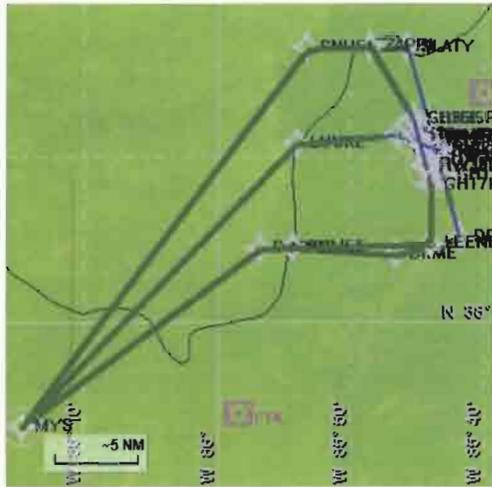
#	Start Location	End Location	Length [NM]
1	N 38° 10' 22.99" W 85° 43' 25.77"	N 38° 11' 13.15" W 85° 46' 10.45"	2.3
	VOR: ABB	Available from N 38° 10' 22.99" W 85° 43' 25.77" to N 38° 11' 13.15" W 85° 46' 10.45"	
	VOR: BQM	Available from N 38° 10' 22.99" W 85° 43' 25.77" to N 38° 11' 13.15" W 85° 46' 10.45"	
	VOR: EWO	Available from N 38° 10' 22.99" W 85° 43' 25.77" to N 38° 11' 13.15" W 85° 46' 10.45"	
	VOR: FFT	Available from N 38° 10' 22.99" W 85° 43' 25.77" to N 38° 10' 55.88" W 85° 45' 13.70"	
	VOR: FTK	Available from N 38° 10' 22.99" W 85° 43' 25.77" to N 38° 11' 13.15" W 85° 46' 10.45"	
	VOR: IIU	Available from N 38° 10' 22.99" W 85° 43' 25.77" to N 38° 11' 13.15" W 85° 46' 10.45"	
	VOR: MYS	Available from N 38° 10' 22.99" W 85° 43' 25.77" to N 38° 11' 13.15" W 85° 46' 10.45"	

DME/DME (Continued.)

[Return To Summary](#)

Inertial Drift Segments (Continued.)

#	Start Location	End Location	Length [NM]
2	N 38° 11' 15.18" W 85° 46' 17.61"	N 38° 11' 12.93" W 85° 47' 40.76"	1.1
	VOR: ABB	Available from N 38° 11' 15.18" W 85° 46' 17.61" to N 38° 11' 12.93" W 85° 47' 40.76"	
	VOR: BQM	Available from N 38° 11' 15.18" W 85° 46' 17.61" to N 38° 11' 12.93" W 85° 47' 40.76"	
	VOR: EWO	Available from N 38° 11' 15.18" W 85° 46' 17.61" to N 38° 11' 12.93" W 85° 47' 40.76"	
	VOR: FTK	Available from N 38° 11' 15.18" W 85° 46' 17.61" to N 38° 11' 12.93" W 85° 47' 40.76"	
	VOR: IIU	Available from N 38° 11' 15.18" W 85° 46' 17.61" to N 38° 11' 12.93" W 85° 47' 40.76"	
	VOR: MYS	Available from N 38° 11' 15.18" W 85° 46' 17.61" to N 38° 11' 12.93" W 85° 47' 40.76"	



Name: Dennis Osterhage
Project Name: KSDF MYSTIC1 SID RW35L MYS 20111102
Software: RNAV-Pro™
Version: 2.35
Date/Time: 11/4/2011 8:41:24 AM
Input File: KSDF MYSTIC1 SID RW3...
Databases: AVNIS Date: 08/26/2011
 NFD Date: 07/02/2009
 DTED® (MAX) Date: 2002

Results Summary:

Flyability	✓	Please Check Flyability Results
DME/DME	✓	
Radars		
Comms		
TERPS		

Flight Plan					Return To Summary		
Name	Type	Lat/Lon	Alt [Ft]	VNAV Mode	IAS [Kts]	Turn Type	Leg Type
RW35L(...	WP	N 38° 9' 29.40" W 85° 44' 21.37"	461.4	VNAV	0.0	Fly By	TF
RW17R(...	WP	N 38° 11' 13.19" W 85° 44' 55.65"	524.9	VNAV	130.0	Fly Over	VI
GH35L	WP	N 38° 12' 13.66" W 85° 45' 15.62"	1020.0	VNAV	145.0	Fly By	CF - 329.7°
ZAPRI	WP	N 38° 16' 35.70" W 85° 48' 29.90"	2032.8	VNAV	180.0	Fly By	TF
SNUGL	WP	N 38° 16' 30.86" W 85° 53' 14.80"	2780.8	VNAV	180.0	Fly By	TF
MYS	WP	N 37° 53' 38.64" W 86° 14' 40.30"	8466.0	VNAV	180.0	Fly Over	TF

Climb Gradient: 500.0 Ft/NM up to 1020.0 Ft MSL

Flyability

[Return To Summary](#)

Settings:

Flight Type: Departure

Selected Airport: KSDF

Aircraft Category: Cat D

Climb Gradient: 500.0 Ft/NM up to 1020.0 Ft MSL

Ground Speeds:

Departure: **120.0 Kts** out to **10.0 NM**

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: *None assigned*

Descent During a Turn: Allowed

VNAV Mode: Flight Plan

Flight Track comes into contact with terrain. Minimum AGL along route was -14.71 Ft.
Flight Track contacted terrain (DTED lvl 0 max) between AER and DER or within 2/3 NM of DER.

DME/DME

[Return To Summary](#)

Settings:

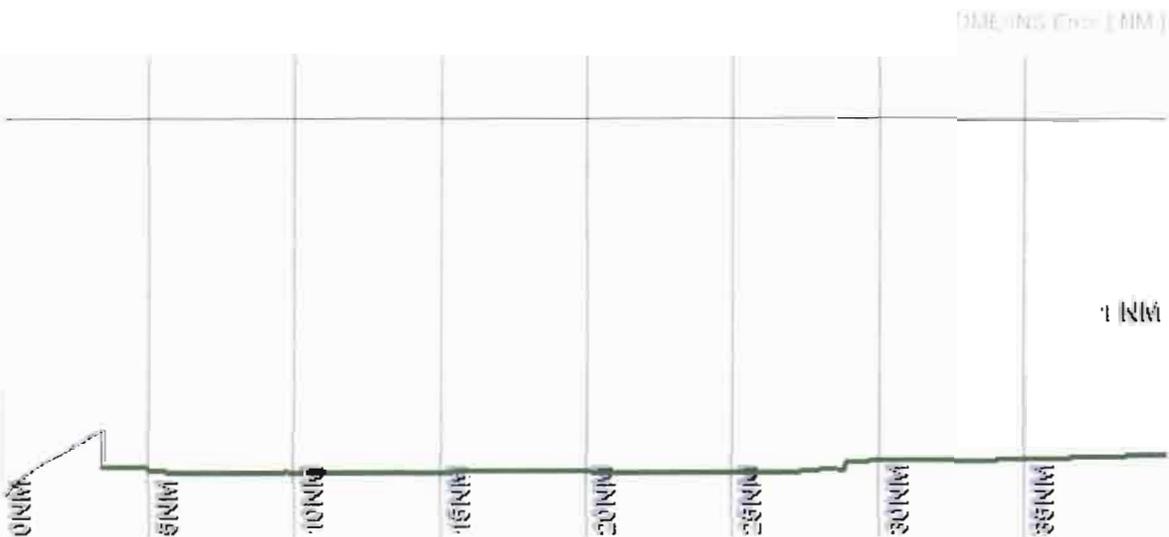
RNP: 2.0
 Flight Mode: Manual
 Line of Sight (DTED Level 0 Max): Evaluated
 DME Restrictions: Evaluated
 Inertial Drift: Enabled
 Initial Drift: 0.165 NM
 INS Drift Rate: 8.000 NM/Hour
 Range Mode: OSV
 Co-Frequencies: Evaluated
 RNP Edges: Evaluated
 Min DME Range: 3.0 NM
 Allowed Gap Length: 4.0 NM
 DME Types: VOR/DME , VORTAC , TACAN , and User
 DME Include Angles: 30 to 150
 Critical DMEs: Allowed
 DoD Facilities: Not included
 Foreign Facilities: Not included
 Low & Terminal DMEs: Included
 Flight Check DMEs: Selected
 Higher Altitudes: Evaluated
 Near Maximum Altitude: Evaluated
 Minimum MSL DMEs Avail: 1089 Ft.

Total Number of DMEs Used: 4

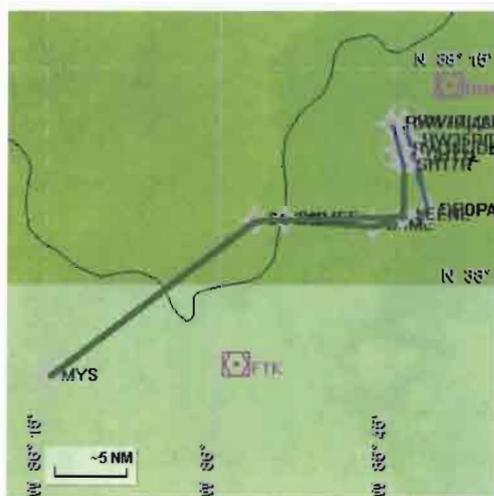
Maximum DME Error: 0.456 NM.

No Critical DMEs were found.

Available DMEs: IIU, ABB, BQM, EWO



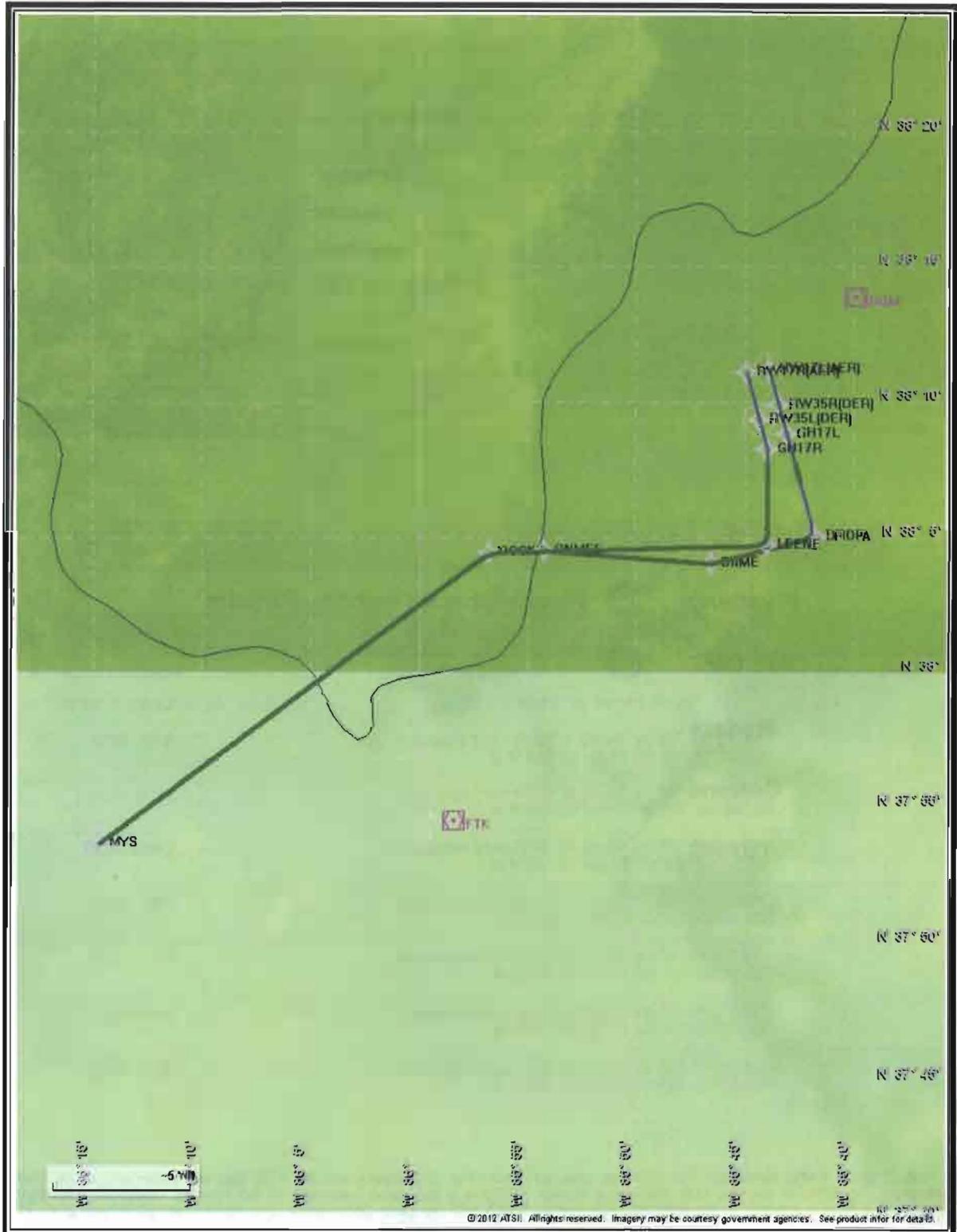
DME/DME (Continued.)						Return To Summary			
DMEs Used									
#	Name	Lat/Lon	Range	Source	Critical	Err. [NM]	Status	Time	Distance
1	ABB	N 38° 35' 19.82" W 85° 38' 9.57"	L	Database	NO	1.258	Enabled	41.7 %	36.5 %
2	IIU	N 38° 6' 12.47" W 85° 34' 38.77"	H	Database	NO	0.730	Enabled	46.2 %	50.2 %
3	BQM	N 38° 13' 48.79" W 85° 39' 53.08"	T	Database	NO	0.456	Enabled	37.5 %	39.2 %
4	EWO	N 37° 37' 54.52" W 85° 40' 33.16"	L	Database	NO	0.818	Enabled	45.3 %	57.0 %
Flight Check DME Selection									
Distance [NM]	Selected DMEs						Alternate		
0.0									
1.8									
2.7	ABB		IIU		BQM				
7.5	ABB		IIU		BQM				
10.8	ABB		IIU		BQM		EWO		
Inertial Drift Segments									
#	Start Location			End Location			Length [NM]		
1	N 38° 9' 29.40" W 85° 44' 21.37"			N 38° 12' 43.11" W 85° 45' 36.22"			3.4		
	VOR: ABB			Available from N 38° 9' 29.40" W 85° 44' 21.37" to N 38° 12' 43.11" W 85° 45' 36.22"					
	VOR: BQM			Available from N 38° 9' 29.40" W 85° 44' 21.37" to N 38° 12' 43.11" W 85° 45' 36.22"					
	VOR: EWO			Available from N 38° 9' 29.40" W 85° 44' 21.37" to N 38° 12' 43.11" W 85° 45' 36.22"					
	VOR: FFT			Available from N 38° 9' 29.40" W 85° 44' 21.37" to N 38° 12' 7.43" W 85° 45' 13.60"					
	VOR: FTK			Available from N 38° 9' 29.40" W 85° 44' 21.37" to N 38° 12' 43.11" W 85° 45' 36.22"					
	VOR: IIU			Available from N 38° 9' 29.40" W 85° 44' 21.37" to N 38° 12' 43.11" W 85° 45' 36.22"					
	VOR: MYS			Available from N 38° 9' 29.40" W 85° 44' 21.37" to N 38° 12' 43.11" W 85° 45' 36.22"					



Name: Dennis Osterhage
Project Name: KSDF MYSTIC SID RW17L MYS 20120123
Software: RNAV-Pro™
Version: 2.35
Date/Time: 1/24/2012 9:51:43 AM
Input File: KSDF MYSTIC SID RW17...
Databases: AVNIS Date: 08/26/2011
 NFD Date: 07/02/2009
 DTED® (MAX) Date: 2002

Results Summary:

- Flyability** Please Check **Flyability Results**
- DME/DME**
- Radars**
- Comms**
- TERPS**



Flight Plan					Return To Summary		
Name	Type	Lat/Lon	Alt [Ft]	VNAV Mode	IAS [Kts]	Turn Type	Leg Type
RW17L(...	WP	N 38° 11' 11.14" W 85° 43' 51.76"	500.8	VNAV	0.0	Fly Over	TF
RW35R(...	WP	N 38° 9' 52.40" W 85° 43' 24.87"	506.4	VNAV	130.0	Fly Over	VA
GH17L	WP	N 38° 8' 48.77" W 85° 43' 3.15"	1020.0	VNAV	145.0	Fly Over	DF
DROPA	WP	N 38° 5' 2.41" W 85° 41' 45.98"	1800.6	VNAV	180.0	Fly By	TF
DIIME	WP	N 38° 4' 1.33" W 85° 46' 32.08"	2580.6	VNAV	180.0	Fly By	TF
ONMEE	WP	N 38° 4' 28.77" W 85° 54' 14.55"	3801.3	VNAV	180.0	Fly By	TF
DOCKE	WP	N 38° 4' 25.18" W 85° 56' 47.21"	4203.3	VNAV	180.0	Fly By	TF
MYS	WP	N 37° 53' 38.64" W 86° 14' 40.30"	7757.4	VNAV	180.0	Fly Over	TF

Climb Gradient: 500.0 Ft/NM up to 1020.0 Ft MSL

Flyability

[Return To Summary](#)

Settings:

Flight Type: Departure

Selected Airport: KSDF

Aircraft Category: Cat D

Climb Gradient: 500.0 Ft/NM up to 1020.0 Ft MSL

Ground Speeds:

Departure: **120.0 Kts** out to **10.0 NM**

Table:

200.0 Kts up to **29000.0 Ft.**

280.0 Kts up to **99900.0 Ft.**

Wind Settings: *None assigned*

Descent During a Turn: Allowed

VNAV Mode: Flight Plan

Flight Track comes into contact with terrain. Minimum AGL along route was -27.42 Ft.
Flight Track contacted terrain (DTED lvl 0 max) between AER and DER or within 2/3 NM of DER.

DME/DME

[Return To Summary](#)

Settings:

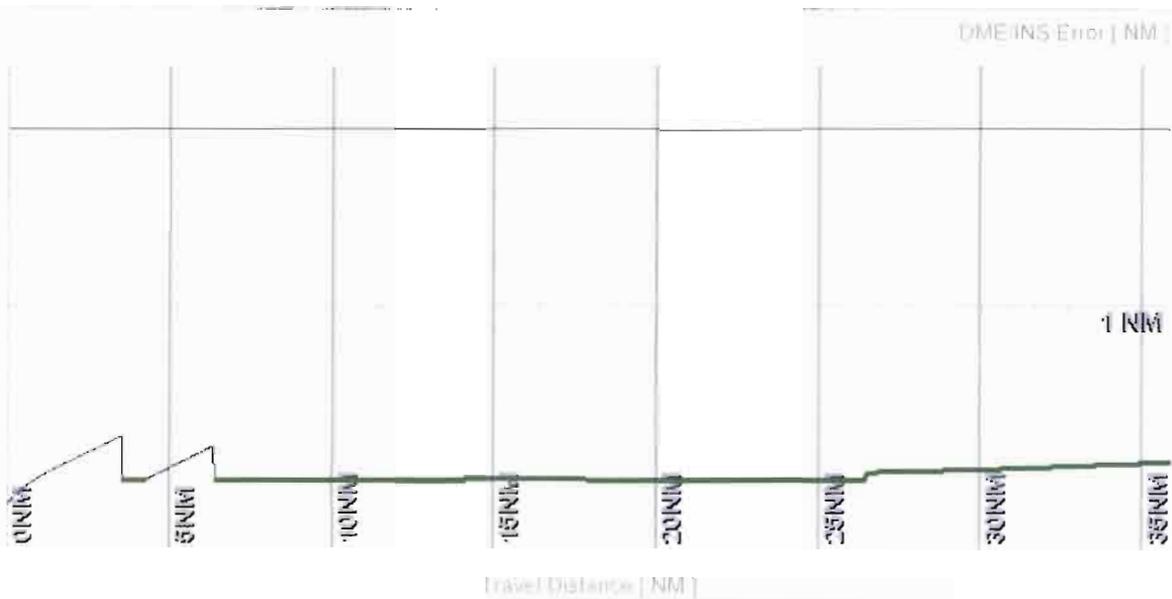
- RNP: 2.0
- Flight Mode: Manual
- Line of Sight (DTED Level 0 Max): Evaluated
- DME Restrictions: Evaluated
- Inertial Drift: Enabled
 - Initial Drift: 0.165 NM
 - INS Drift Rate: 8.000 NM/Hour
- Range Mode: OSV
- Co-Frequencies: Evaluated
- RNP Edges: Evaluated
- Min DME Range: 3.0 NM
- Allowed Gap Length: 4.0 NM
- DME Types: VOR/DME , VORTAC , TACAN , and User
- DME Include Angles: 30 to 150
- Critical DMEs: Allowed
- DoD Facilities: Not included
- Foreign Facilities: Not included
- Low & Terminal DMEs: Included
- Flight Check DMEs: Selected
- Higher Altitudes: Evaluated
- Near Maximum Altitude: Evaluated
- Minimum MSL DMEs Avail: 1801 Ft.

Total Number of DMEs Used: 4

Maximum DME Error: 0.465 NM.

No Critical DMEs were found.

Available DMEs: BQM, IIU, ABB, EWO



DME/DME (Continued.) [Return To Summary](#)

DMEs Used

#	Name	Lat/Lon	Range	Source	Critical	Err. [NM]	Status	Time	Distance
1	ABB	N 38° 35' 19.82" W 85° 38' 9.57"	L	Database	NO	0.496	Enabled	2.5 %	2.0 %
2	IIU	N 38° 6' 12.47" W 85° 34' 38.77"	H	Database	NO	0.896	Enabled	53.8 %	56.2 %
3	EWO	N 37° 37' 54.52" W 85° 40' 33.16"	L	Database	NO	0.898	Enabled	73.2 %	82.3 %
4	BQM	N 38° 13' 48.79" W 85° 39' 53.08"	T	Database	NO	0.421	Enabled	21.9 %	28.1 %

Flight Check DME Selection

Distance [NM]	Selected DMEs	Alternate
0.0		
1.4		
2.4	BQM IIU ABB EWO	
5.8	BQM IIU ABB EWO	
9.8	BQM IIU ABB EWO	
15.9	BQM IIU ABB EWO	
17.5	BQM IIU ABB EWO	

Inertial Drift Segments

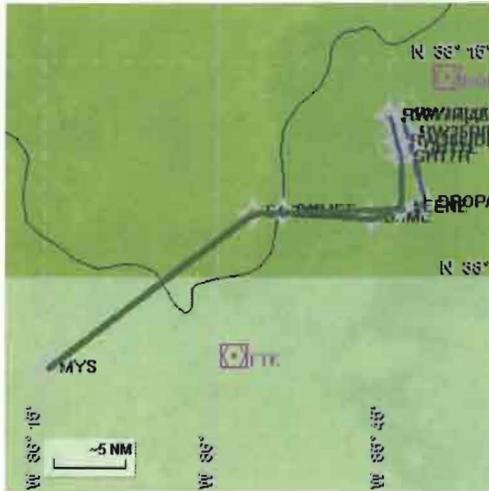
#	Start Location	End Location	Length [NM]
1	N 38° 11' 11.14" W 85° 43' 51.76"	N 38° 7' 47.01" W 85° 42' 42.10"	3.5
	VOR: ABB	Available from N 38° 11' 11.14" W 85° 43' 51.76" to N 38° 7' 47.01" W 85° 42' 42.10"	
	VOR: BQM	Available from N 38° 11' 11.14" W 85° 43' 51.76" to N 38° 7' 47.01" W 85° 42' 42.10"	
	VOR: EWO	Available from N 38° 11' 11.14" W 85° 43' 51.76" to N 38° 7' 47.01" W 85° 42' 42.10"	
	VOR: FFT	Available from N 38° 11' 11.14" W 85° 43' 51.76" to N 38° 7' 47.01" W 85° 42' 42.10"	
	VOR: FTK	Available from N 38° 11' 11.14" W 85° 43' 51.76" to N 38° 7' 47.01" W 85° 42' 42.10"	
	VOR: IIU	Available from N 38° 11' 11.14" W 85° 43' 51.76" to N 38° 7' 47.01" W 85° 42' 42.10"	
	VOR: MYS	Available from N 38° 11' 11.14" W 85° 43' 51.76" to N 38° 7' 47.01" W 85° 42' 42.10"	

DME/DME (Continued.)

[Return To Summary](#)

Inertial Drift Segments (Continued.)

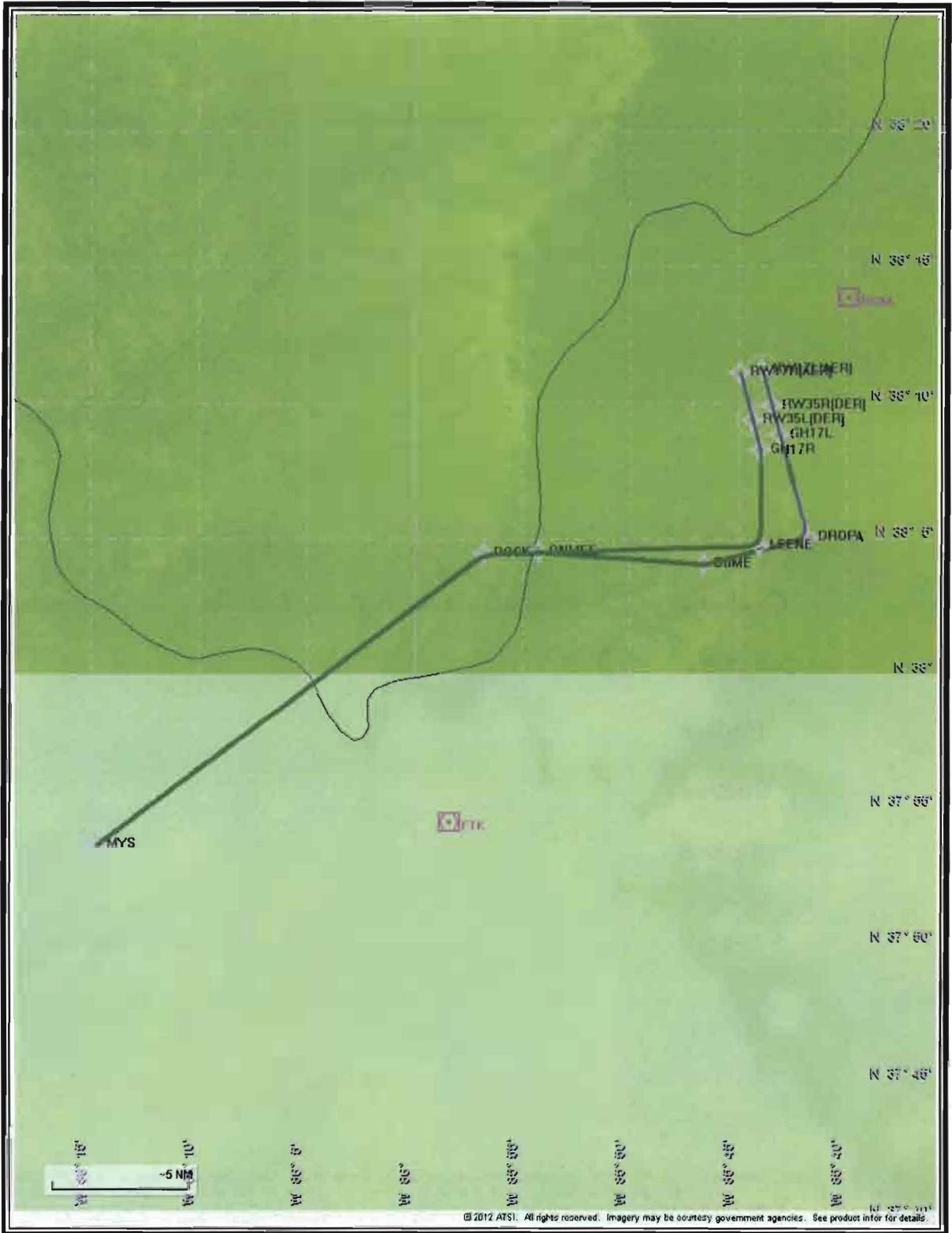
#	Start Location	End Location	Length [NM]
2	N 38° 7' 4.48" W 85° 42' 27.59"	N 38° 5' 3.56" W 85° 42' 4.41"	2.1
	VOR: ABB	Available from N 38° 7' 4.48" W 85° 42' 27.59" to N 38° 5' 3.56" W 85° 42' 4.41"	
	VOR: BQM	Available from N 38° 7' 4.48" W 85° 42' 27.59" to N 38° 5' 3.56" W 85° 42' 4.41"	
	VOR: EWO	Available from N 38° 7' 4.48" W 85° 42' 27.59" to N 38° 5' 3.56" W 85° 42' 4.41"	
	VOR: FFT	Available from N 38° 7' 4.48" W 85° 42' 27.59" to N 38° 5' 3.56" W 85° 42' 4.41"	
	VOR: FTK	Available from N 38° 7' 4.48" W 85° 42' 27.59" to N 38° 5' 3.56" W 85° 42' 4.41"	
	VOR: IIU	Available from N 38° 7' 4.48" W 85° 42' 27.59" to N 38° 5' 3.56" W 85° 42' 4.41"	
	VOR: MYS	Available from N 38° 7' 4.48" W 85° 42' 27.59" to N 38° 5' 3.56" W 85° 42' 4.41"	



Name: Dennis Osterhage
Project Name: KSDF MYSTIC SID RW17R MYS 20120123
Software: RNAV-Pro™
Version: 2.35
Date/Time: 1/24/2012 9:52:42 AM
Input File: KSDF MYSTIC SID RW17...
Databases: AVNIS Date: 08/26/2011
 NFD Date: 07/02/2009
 DTED® (MAX) Date: 2002

Results Summary:

- Flyability** Please Check **Flyability Results**
- DME/DME**
- Radars**
- Comms**
- TERPS**



Flight Plan					Return To Summary		
Name	Type	Lat/Lon	Alt [Ft]	VNAV Mode	IAS [Kts]	Turn Type	Leg Type
RW17R(...	WP	N 38° 11' 5.06" W 85° 44' 52.93"	489.9	VNAV	0.0	Fly By	TF
RW35L(...	WP	N 38° 9' 19.45" W 85° 44' 18.11"	496.4	VNAV	130.0	Fly Over	VI
GH17R	WP	N 38° 8' 14.39" W 85° 43' 56.68"	1020.0	VNAV	145.0	Fly By	CF - 180.5°
LEENE	WP	N 38° 4' 42.68" W 85° 43' 58.94"	1725.0	VNAV	180.0	Fly By	TF
ONMEE	WP	N 38° 4' 28.77" W 85° 54' 14.55"	3346.0	VNAV	180.0	Fly By	TF
DOCKE	WP	N 38° 4' 25.18" W 85° 56' 47.21"	3748.0	VNAV	180.0	Fly By	TF
MYS	WP	N 37° 53' 38.64" W 86° 14' 40.30"	7302.1	VNAV	180.0	Fly Over	TF

Climb Gradient: 200.0 Ft/NM up to 1020.0 Ft MSL

Flyability

[Return To Summary](#)

Settings:

Flight Type: Departure
Selected Airport: KSDF
Aircraft Category: Cat D
Climb Gradient: 200.0 Ft/NM up to 1020.0 Ft MSL
Ground Speeds:
Departure: **120.0 Kts** out to **10.0 NM**
Table:
200.0 Kts up to **29000.0 Ft.**
280.0 Kts up to **99900.0 Ft.**
Wind Settings: *None assigned*
Descent During a Turn: Allowed
VNAV Mode: Flight Plan

ALTITUDE at Fly-By WP GH17R too low.

Required IAS at Fly-By WP ONMEE could not be reached with given A/C acceleration performance.

Flight Track comes into contact with terrain. Minimum AGL along route was 1.05 Ft.
Flight Track contacted terrain (DTED lvl 0 max) between AER and DER or within 2/3 NM of DER.

DME/DME [Return To Summary](#)

Settings:

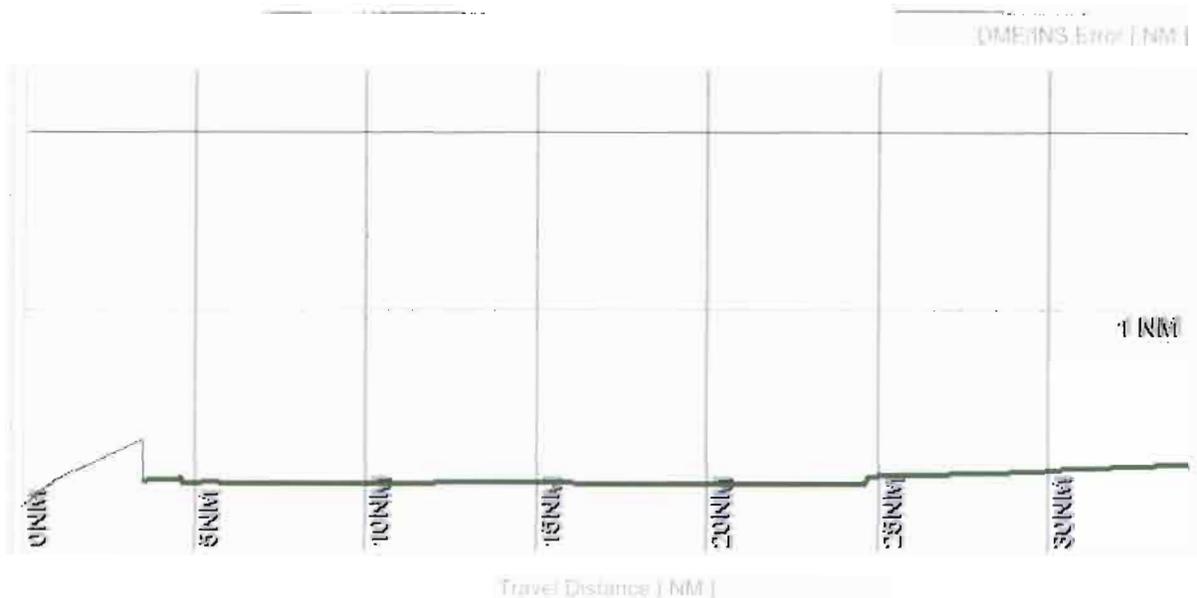
- RNP: 2.0
- Flight Mode: Manual
- Line of Sight (DTED Level 0 Max): Evaluated
- DME Restrictions: Evaluated
- Inertial Drift: Enabled
 - Initial Drift: 0.165 NM
 - INS Drift Rate: 8.000 NM/Hour
- Range Mode: OSV
- Co-Frequencies: Evaluated
- RNP Edges: Evaluated
- Min DME Range: 3.0 NM
- Allowed Gap Length: 4.0 NM
- DME Types: VOR/DME , VORTAC , TACAN , and User
- DME Include Angles: 30 to 150
- Critical DMEs: Allowed
- DoD Facilities: Not included
- Foreign Facilities: Not included
- Low & Terminal DMEs: Included
- Flight Check DMEs: Selected
- Higher Altitudes: Evaluated
- Near Maximum Altitude: Evaluated
- Minimum MSL DMEs Avail: 827 Ft.

Total Number of DMEs Used: 4

Maximum DME Error: 0.355 NM

No Critical DMEs were found.

Available DMEs: IIU, BQM, ABB, EWO



DME/DME (Continued.)

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DMEs Used

#	Name	Lat/Lon	Range	Source	Critical	Err. [NM]	Status	Time	Distance
1	BQM	N 38° 13' 48.79" W 85° 39' 53.08"	T	Database	NO	0.536	Enabled	26.9 %	32.8 %
2	IIU	N 38° 6' 12.47" W 85° 34' 38.77"	H	Database	NO	0.752	Enabled	60.6 %	60.4 %
3	ABB	N 38° 35' 19.82" W 85° 38' 9.57"	L	Database	NO	0.355	Enabled	4.0 %	3.1 %
4	EWO	N 37° 37' 54.52" W 85° 40' 33.16"	L	Database	NO	0.900	Enabled	75.0 %	83.4 %

Flight Check DME Selection

Distance [NM]	Selected DMEs	Alternate
0.0		
1.8		
2.8	BQM IIU ABB EWO	
5.9	BQM IIU ABB EWO	
14.4	BQM IIU ABB EWO	
15.8	BQM IIU ABB EWO	

Inertial Drift Segments

#	Start Location	End Location	Length [NM]
1	N 38° 11' 5.06" W 85° 44' 52.93"	N 38° 7' 43.35" W 85° 43' 56.00"	3.5
	VOR: ABB	Available from N 38° 11' 5.06" W 85° 44' 52.93" to N 38° 7' 43.35" W 85° 43' 56.00"	
	VOR: BQM	Available from N 38° 11' 5.06" W 85° 44' 52.93" to N 38° 7' 43.35" W 85° 43' 56.00"	
	VOR: EWO	Available from N 38° 11' 5.06" W 85° 44' 52.93" to N 38° 7' 43.35" W 85° 43' 56.00"	
	VOR: FFT	Available from N 38° 11' 5.06" W 85° 44' 52.93" to N 38° 7' 43.35" W 85° 43' 56.00"	
	VOR: FTK	Available from N 38° 11' 5.06" W 85° 44' 52.93" to N 38° 7' 43.35" W 85° 43' 56.00"	
	VOR: IIU	Available from N 38° 11' 5.06" W 85° 44' 52.93" to N 38° 7' 43.35" W 85° 43' 56.00"	
	VOR: MYS	Available from N 38° 11' 5.06" W 85° 44' 52.93" to N 38° 7' 43.35" W 85° 43' 56.00"	



Name: Dennis Osterhage
Project Name: KSDF MYSTIC1 SID RW35R MYS 20111102
Software: RNAV-Pro™
Version: 2.35
Date/Time: 11/4/2011 8:42:19 AM
Input File: KSDF MYSTIC1 SID RW3...
Databases: AVNIS Date: 08/26/2011
 NFD Date: 07/02/2009
 DTED® (MAX) Date: 2002

Results Summary:

Flyability	✓	Please Check Flyability Results
DME/DME	✓	
Radars	?	
Comms		
TERPS		

Flight Plan					Return To Summary		
Name	Type	Lat/Lon	Alt [Ft]	VNAV Mode	IAS [Kts]	Turn Type	Leg Type
RW35R(...	WP	N 38° 9' 56.70" W 85° 43' 26.34"	471.4	VNAV	0.0	Fly Over	TF
RW17L(...	WP	N 38° 11' 14.28" W 85° 43' 52.83"	535.8	VNAV	130.0	Fly Over	VA
GH35R	WP	N 38° 12' 14.51" W 85° 44' 13.40"	1020.0	VNAV	145.0	Fly Over	DF
SLATY	WP	N 38° 16' 33.25" W 85° 45' 41.86"	1912.3	VNAV	180.0	Fly By	TF
SNUGL	WP	N 38° 16' 30.86" W 85° 53' 14.80"	3101.3	VNAV	180.0	Fly By	TF
MYS	WP	N 37° 53' 38.64" W 86° 14' 40.30"	8786.4	VNAV	180.0	Fly Over	TF

Climb Gradient: 500.0 Ft/NM up to 1020.0 Ft MSL

Flyability

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Settings:

Flight Type: Departure

Selected Airport: KSDF

Aircraft Category: Cat D

Climb Gradient: 500.0 Ft/NM up to 1020.0 Ft MSL

Ground Speeds:

Departure: **120.0 Kts** out to **10.0 NM**

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: *None assigned*

Descent During a Turn: Allowed

VNAV Mode: Flight Plan

Required IAS at Fly-By WP SNUGL could not be reached with given A/C acceleration performance.

Flight Track comes into contact with terrain. Minimum AGL along route was -26.78 Ft.
Flight Track contacted terrain (DTED lvl 0 max) between AER and DER or within 2/3 NM of DER.

DME/DME

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Settings:

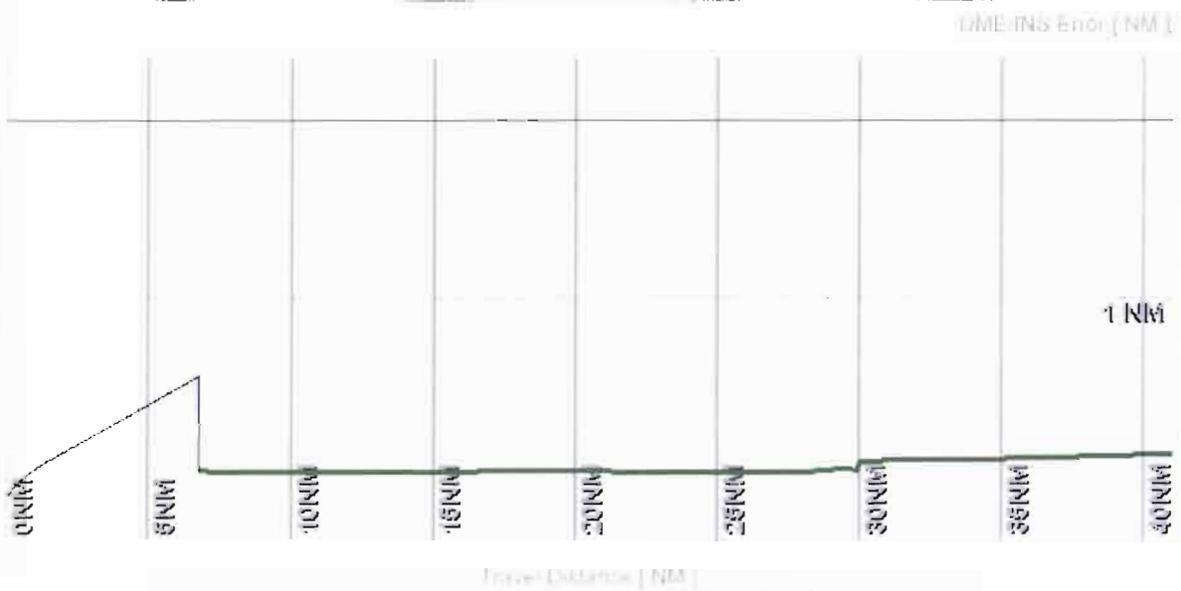
RNP: 2.0
 Flight Mode: Manual
 Line of Sight (DTED Level 0 Max): Evaluated
 DME Restrictions: Evaluated
 Inertial Drift: Enabled
 Initial Drift: 0.165 NM
 INS Drift Rate: 8.000 NM/Hour
 Range Mode: OSV
 Co-Frequencies: Evaluated
 RNP Edges: Evaluated
 Min DME Range: 3.0 NM
 Allowed Gap Length: 4.0 NM
 DME Types: VOR/DME , VORTAC , TACAN , and User
 DME Include Angles: 30 to 150
 Critical DMEs: Allowed
 DoD Facilities: Not included
 Foreign Facilities: Not included
 Low & Terminal DMEs: Included
 Flight Check DMEs: Selected
 Higher Altitudes: Evaluated
 Near Maximum Altitude: Evaluated
 Minimum MSL DMEs Avail: 1912 Ft.

Total Number of DMEs Used: 4

Maximum DME Error: 0.678 NM.

No Critical DMEs were found.

Available DMEs: IIU, ABB, EWO, BQM



DME/DME (Continued.)							Return To Summary		
DMEs Used									
#	Name	Lat/Lon	Range	Source	Critical	Err. [NM]	Status	Time	Distance
1	ABB	N 38° 35' 19.82" W 85° 38' 9.57"	L	Database	NO	1.289	Enabled	31.7 %	30.2 %
2	BQM	N 38° 13' 48.79" W 85° 39' 53.08"	T	Database	NO	0.667	Enabled	34.8 %	36.6 %
3	IIU	N 38° 6' 12.47" W 85° 34' 38.77"	H	Database	NO	0.730	Enabled	38.2 %	44.8 %
4	EWO	N 37° 37' 54.52" W 85° 40' 33.16"	L	Database	NO	0.819	Enabled	44.7 %	55.6 %
Flight Check DME Selection									
Distance [NM]	Selected DMEs					Alternate			
0.0									
1.4									
2.4	ABB IIU BQM EWO								
6.4	ABB IIU BQM								
11.9	ABB IIU BQM EWO								
Inertial Drift Segments									
#	Start Location	End Location		Length [NM]					
1	N 38° 9' 56.70" W 85° 43' 26.34"	N 38° 16' 24.52" W 85° 45' 44.63"		6.7					
	VOR: ABB	Available from N 38° 9' 56.70" W 85° 43' 26.34" to N 38° 16' 24.52" W 85° 45' 44.63"							
	VOR: BQM	Available from N 38° 9' 56.70" W 85° 43' 26.34" to N 38° 16' 24.52" W 85° 45' 44.63"							
	VOR: EWO	Available from N 38° 9' 56.70" W 85° 43' 26.34" to N 38° 16' 24.52" W 85° 45' 44.63"							
	VOR: FFT	Available from N 38° 9' 56.70" W 85° 43' 26.34" to N 38° 14' 38.14" W 85° 45' 2.49"							
	VOR: FTK	Available from N 38° 9' 56.70" W 85° 43' 26.34" to N 38° 16' 24.52" W 85° 45' 44.63"							
	VOR: IIU	Available from N 38° 9' 56.70" W 85° 43' 26.34" to N 38° 16' 24.52" W 85° 45' 44.63"							
	VOR: MYS	Available from N 38° 9' 56.70" W 85° 43' 26.34" to N 38° 16' 24.52" W 85° 45' 44.63"							