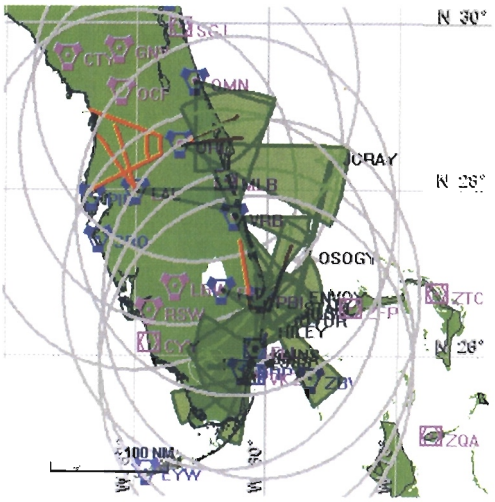

Name:	MILLERJ
Project Name:	HILEY3 JORAY 3 20 2011
Software:	RNAV-Pro™
Version:	2.35
Date/Time:	3/20/2011 10:29:58 AM
Input File:	HILEY JORAY 20110320...
Databases:	AVNIS Date: 01/27/2011
	NFD Date: 07/02/2009
	DTED® (MAX) Date: 2002

Results Summary:

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

JUN 03 2011

JUN 06 2011

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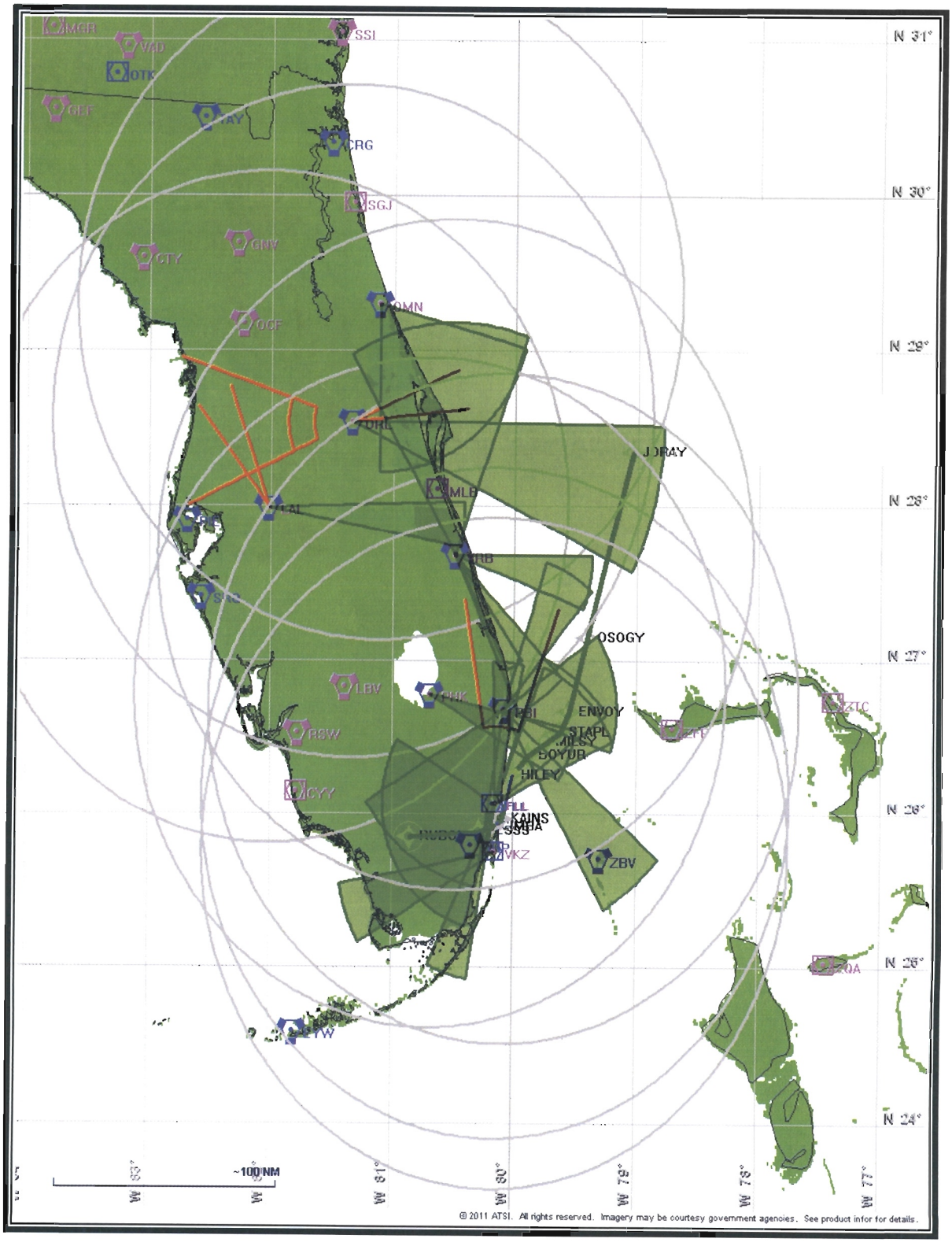
MGR
VAD
OTK
GEF
SSI
CRG
SGJ
GNV
CTY
OMN
OCF
DRL
JORAY
MLB
LAL
RB
OSOGY
LBV
PNK
RSW
ENVOY
STAPL
BOYUD
HILEY
CYY
KAINS
VKZ
ZBV
N 31°
N 30°
N 29°
N 28°
N 27°
N 26°
N 25°
N 24°
~100 NM
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Flight Plan

Return To Summary

Name	Type	Lat/Lon	Alt [Ft]	VNAV Mode	IAS [Kts]	Turn Type	Leg Type
JORAY	WP	N 28° 20' 34.13" W 79° 2' 5.88"	18000.0	Step	250.0	Fly By	TF
OSOGY	WP	N 27° 8' 39.21" W 79° 24' 0.45"	18000.0	Step	240.0	Fly By	TF
ENVOY	WP	N 26° 39' 38.19" W 79° 32' 52.42"	16000.0	Step	210.0	Fly By	TF
STAPL	WP	N 26° 31' 51.52" W 79° 37' 14.01"	10000.0	Step	180.0	Fly By	TF
MILSY	WP	N 26° 28' 2.67" W 79° 43' 50.98"	10000.0	Step	180.0	Fly By	TF
BOYUR	WP	N 26° 23' 1.58" W 79° 52' 35.69"	10000.0	Step	180.0	Fly By	TF
HILEY	WP	N 26° 15' 15.81" W 80° 0' 47.10"	10000.0	Step	180.0	Fly By	TF
KAINS	WP	N 25° 57' 46.89" W 80° 5' 42.76"	8000.0	Step	180.0	Fly By	TF
CIMBA	WP	N 25° 55' 5.16" W 80° 10' 30.08"	4000.0	Step	180.0	Fly By	TF
JESSS	WP	N 25° 53' 2.34" W 80° 16' 41.91"	3000.0	Step	180.0	Fly By	TF
RUBOE	WP	N 25° 50' 59.97" W 80° 50' 47.01"	3000.0	Step	180.0	Fly Over	TF

Flyability

Return To Summary

Settings:

Flight Type: Arrival/Approach
Aircraft Category: Cat D
Climb Gradient: *None assigned*
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: *None assigned*
Descent During a Turn: Allowed
VNAV Mode: Flight Plan

ALTITUDE at Fly-By WP STAPL too high.

ALTITUDE at Fly-By WP CIMBA too high.

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 , 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

Total Number of DMEs Used: 8

Maximum DME Error: 0.896 NM.

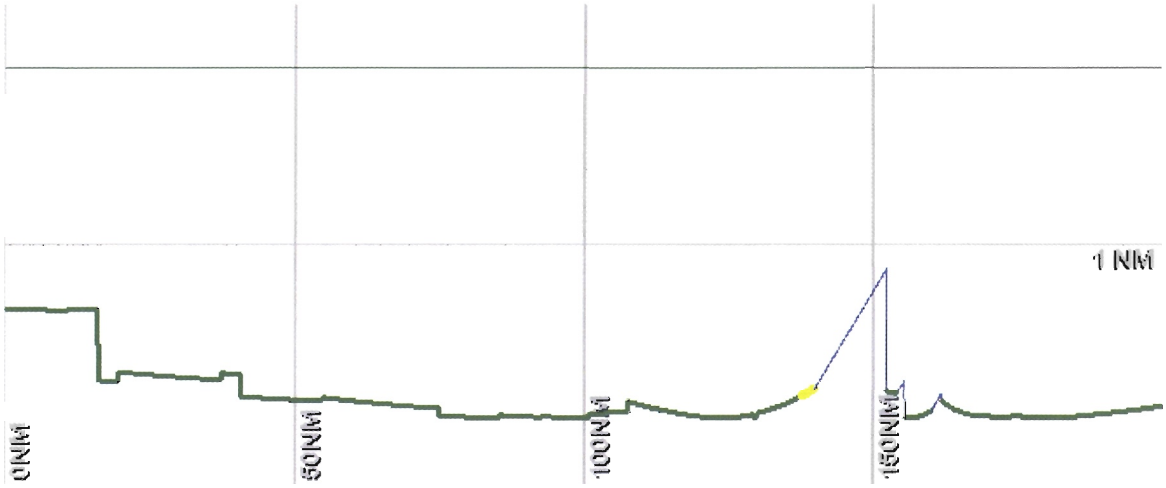
No Critical DMEs were found.

Available DMEs: ORL, VRB, PBI, FLL, ZBV, VKZ, PHK, DHP

Foreign DMEs within range: ZFP, ZGV, I-ZQA, ZQA, ZTC

DME/DME (Continued.)

Return To Summary



DME/DME (Continued.)

Return To Summary

DMEs Used

#	Name	Lat/Lon	Range	Source	Critical	Err. [NM]	Status	Time	Distance
1	ORL	N 28° 32' 33.72" W 81° 20' 6.13"	H + ESV	User	NO	1.049	Enabled	17.7 %	20.3 %
2	VRB	N 27° 40' 42.33" W 80° 29' 23.01"	H + ESV	User	NO	1.049	Enabled	31.1 %	34.8 %
3	PBI	N 26° 40' 48.17" W 80° 5' 11.40"	H + ESV	User	NO	1.301	Enabled	35.9 %	33.2 %
4	FLL	N 26° 4' 29.04" W 80° 9' 8.90"	H + ESV	User	NO	1.234	Enabled	40.5 %	39.9 %
5	VKZ	N 25° 45' 6.84" W 80° 9' 15.99"	H + ESV	User	NO	0.953	Enabled	27.7 %	27.1 %
6	ZBV	N 25° 42' 15.00" W 79° 17' 40.00"	H	Database	NO	0.896	Enabled	12.6 %	13.9 %
7	DHP	N 25° 47' 59.86" W 80° 20' 56.53"	H	Database	NO	1.482	Enabled	12.3 %	10.8 %
8	PHK	N 26° 46' 57.87" W 80° 41' 29.16"	H + ESV	User	NO	0.896	Enabled	4.3 %	4.3 %

Flight Check DME Selection

Distance [NM]	Selected DMEs					Alternate
0.0	VRB	ORL	PBI	FLL		
30.0	VRB	ORL	ZBV	FLL	VKZ	PHK
74.2	VRB	PHK	ZBV	FLL	VKZ	DHP
89.0	VRB	PHK	ZBV	FLL	PBI	VKZ
103.8	VRB	PHK	ZBV	FLL	PBI	VKZ
112.2	PBI	PHK	FLL			
120.0	PBI	PHK	FLL			
128.9	PBI	PHK	FLL	VKZ	DHP	
139.4	PBI	DHP	FLL	VKZ		
157.2	VKZ	DHP	FLL			
162.6	VKZ	DHP	FLL			
168.5	VKZ	DHP	FLL	PBI		

DME/DME (Continued.)

Return To Summary

Inertial Drift Segments

#	Start Location	End Location	Length [NM]
1	N 26° 15' 31.23" W 80° 0' 30.29"	N 26° 3' 29.74" W 80° 4' 6.33"	12.4
	VOR: DHP	Available from N 26° 15' 31.23" W 80° 0' 30.29" to N 26° 3' 29.74" W 80° 4' 6.33"	
	VOR: FLL	Available from N 26° 15' 31.23" W 80° 0' 30.29" to N 26° 3' 29.74" W 80° 4' 6.33"	
	VOR: PBI	Available from N 26° 15' 31.23" W 80° 0' 30.29" to N 26° 3' 29.74" W 80° 4' 6.33"	
	VOR: VKZ	Available from N 26° 15' 31.23" W 80° 0' 30.29" to N 26° 3' 29.74" W 80° 4' 6.33"	
2	N 26° 1' 52.53" W 80° 4' 33.69"	N 26° 0' 31.53" W 80° 4' 56.48"	1.4
	VOR: DHP	Available from N 26° 1' 52.53" W 80° 4' 33.69" to N 26° 0' 31.53" W 80° 4' 56.48"	
	VOR: FLL	Available from N 26° 1' 52.53" W 80° 4' 33.69" to N 26° 0' 31.53" W 80° 4' 56.48"	
	VOR: PBI	Available from N 26° 1' 52.53" W 80° 4' 33.69" to N 26° 0' 41.25" W 80° 4' 53.74"	
	VOR: VKZ	Available from N 26° 1' 52.53" W 80° 4' 33.69" to N 26° 0' 31.53" W 80° 4' 56.48"	
3	N 25° 56' 42.77" W 80° 7' 36.35"	N 25° 55' 49.82" W 80° 9' 10.56"	1.7
	VOR: DHP	Available from N 25° 56' 42.77" W 80° 7' 36.35" to N 25° 55' 49.82" W 80° 9' 10.56"	
	VOR: FLL	Available from N 25° 56' 42.77" W 80° 7' 36.35" to N 25° 55' 49.82" W 80° 9' 10.56"	
	VOR: VKZ	Available from N 25° 56' 42.77" W 80° 7' 36.35" to N 25° 55' 49.82" W 80° 9' 10.56"	

DME/DME (Continued.)

Return To Summary

User DMEs

#	Name	Lat/Lon	Range	Elevation [Ft]	Frequency	Replaces:	Status
1	FLL	N 26° 4' 29.04" W 80° 9' 8.90"	H	5.5	114.40	FLL	Used
	Restriction:	Bearing [True]: 350.0° to 20.0° Bearing [Mag]: 350.0° to 20.0°			Distance: Beyond 30.0 NM Altitude: Below 5000.0 Ft.		
	ESV:	Bearing [True]: 359.0° to 13.0° Bearing [Mag]: 359.0° to 13.0°			Arc Distance: Out to 55.0 NM Altitude: 5000.0 to 14500.0 Ft.		
	ESV:	Bearing [True]: 22.0° to 65.0° Bearing [Mag]: 22.0° to 65.0°			Arc Distance: Out to 57.0 NM Altitude: 8000.0 to 18000.0 Ft.		
	ESV:	Bearing [True]: 190.0° to 205.0° Bearing [Mag]: 190.0° to 205.0°			Arc Distance: Out to 70.0 NM Altitude: 8000.0 to 14500.0 Ft.		
	ESV:	Bearing [True]: 20.0° to 55.0° Bearing [Mag]: 20.0° to 55.0°			Arc Distance: Out to 60.0 NM Altitude: 2500.0 to 14600.0 Ft.		
	ESV:	Bearing [True]: 195.0° to 300.0° Bearing [Mag]: 195.0° to 300.0°			Arc Distance: Out to 50.0 NM Altitude: 2000.0 to 7000.0 Ft.		
2	LAL	N 27° 59' 10.25" W 82° 0' 49.99"	H	171.8	116.00	LAL	Not Used
	Restriction:	Bearing [True]: 322.0° to 340.0° Bearing [Mag]: 321.0° to 339.0°			Distance: Beyond 0.0 NM Altitude: Below 6000.0 Ft.		
	ESV:	Bearing [True]: 88.0° to 100.0° Bearing [Mag]: 87.0° to 99.0°			Arc Distance: Out to 85.0 NM Altitude: 10000.0 to 14500.0 Ft.		
3	OMN	N 29° 18' 11.71" W 81° 6' 45.71"	H	18.8	112.60	OMN	Not Used
	ESV:	Bearing [True]: 105.0° to 180.0° Bearing [Mag]: 105.0° to 180.0°			Arc Distance: Out to 65.0 NM Altitude: 3000.0 to 14500.0 Ft.		
4	ORL	N 28° 32' 33.72" W 81° 20' 6.13"	H	101.7	112.20	ORL	Used
	Restriction:	Bearing [True]: 66.0° to 84.0° Bearing [Mag]: 66.0° to 84.0°			Distance: Beyond 0.0 NM Altitude: Below 99999.0 Ft.		
	Restriction:	Bearing [True]: 246.0° to 289.0° Bearing [Mag]: 246.0° to 289.0°			Distance: Beyond 17.0 NM Altitude: Below 2000.0 Ft.		
	Restriction:	Bearing [True]: 246.0° to 289.0° Bearing [Mag]: 246.0° to 289.0°			Distance: Beyond 28.0 NM Altitude: Below 2500.0 Ft.		
	ESV:	Bearing [True]: 90.0° to 115.0° Bearing [Mag]: 90.0° to 115.0°			Arc Distance: Out to 135.0 NM Altitude: 10000.0 to 18000.0 Ft.		

DME/DME (Continued.)

Return To Summary

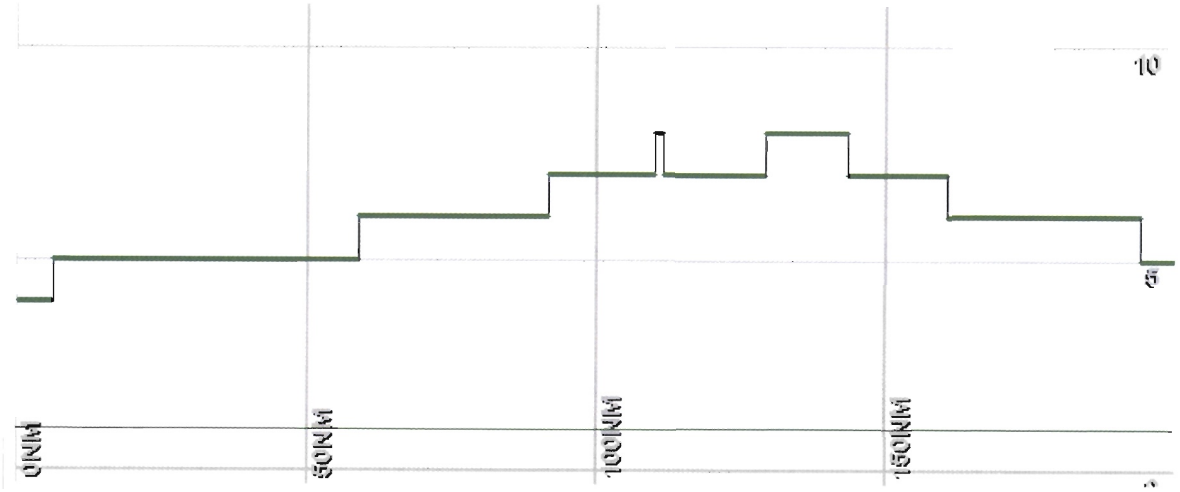
User DMEs (Continued.)

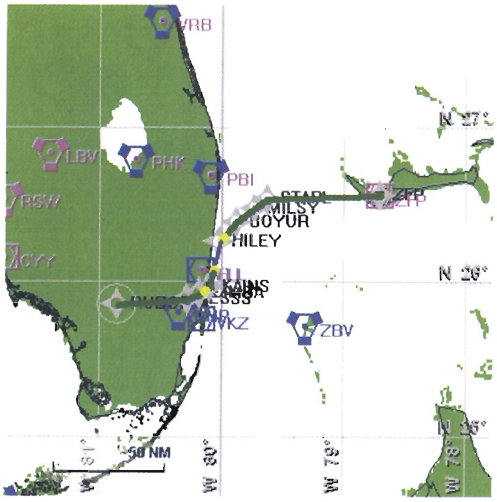
#	Name	Lat/Lon	Range	Elevation [Ft]	Frequency	Replaces:	Status
5	PBI	N 26° 40' 48.17" W 80° 5' 11.40"	H	52.1	115.70	PBI	Used
		ESV: Bearing [True]: 18.0° to 40.0° Bearing [Mag]: 21.0° to 43.0°			Arc Distance: Out to 60.0 NM Altitude: 8000.0 to 14500.0 Ft.		
		ESV: Bearing [True]: 55.0° to 109.0° Bearing [Mag]: 58.0° to 112.0°			Arc Distance: Out to 50.0 NM Altitude: 8000.0 to 14500.0 Ft.		
		ESV: Bearing [True]: 130.0° to 150.0° Bearing [Mag]: 133.0° to 153.0°			Arc Distance: Out to 90.0 NM Altitude: 11000.0 to 14600.0 Ft.		
		ESV: Bearing [True]: 190.0° to 240.0° Bearing [Mag]: 193.0° to 243.0°			Arc Distance: Out to 70.0 NM Altitude: 3000.0 to 7000.0 Ft.		
6	PHK	N 26° 46' 57.87" W 80° 41' 29.16"	H	15.5	115.40	PHK	Used
		ESV: Bearing [True]: 102.0° to 120.0° Bearing [Mag]: 102.0° to 120.0°			Arc Distance: Out to 66.0 NM Altitude: 8000.0 to 16000.0 Ft.		
7	VKZ	N 25° 45' 6.84" W 80° 9' 15.99"	H	5.0	117.10	VKZ	Used
		ESV: Bearing [True]: 240.0° to 260.0° Bearing [Mag]: 244.0° to 264.0°			Arc Distance: Out to 70.0 NM Altitude: 4500.0 to 18000.0 Ft.		
8	VRB	N 27° 40' 42.33" W 80° 29' 23.01"	H	11.4	117.30	VRB	Used
		ESV: Bearing [True]: 90.0° to 110.0° Bearing [Mag]: 94.0° to 114.0°			Arc Distance: Out to 60.0 NM Altitude: 8000.0 to 18000.0 Ft.		
		ESV: Bearing [True]: 144.0° to 152.0° Bearing [Mag]: 148.0° to 156.0°			Arc Distance: Out to 50.0 NM Altitude: 3000.0 to 10000.0 Ft.		
		ESV: Bearing [True]: 330.0° to 20.0° Bearing [Mag]: 334.0° to 24.0°			Arc Distance: Out to 90.0 NM Altitude: 8000.0 to 14500.0 Ft.		
		ESV: Bearing [True]: 135.0° to 155.0° Bearing [Mag]: 139.0° to 159.0°			Arc Distance: Out to 67.0 NM Altitude: 3500.0 to 14600.0 Ft.		

Radar Analysis

Return To Summary

Settings: **Radar Types:** ARSR and ASR





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Project Name:	HILEY3 ZFP 3 20 2011
Software:	RNAV-Pro™
Version:	2.35
Date/Time:	3/20/2011 11:34:40 AM
Input File:	HILEY ZFP 20110317.t...
Databases:	AVNIS Date: 01/27/2011
	NFD Date: 07/02/2009
	DTED® (MAX) Date: 2002

Results Summary:

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

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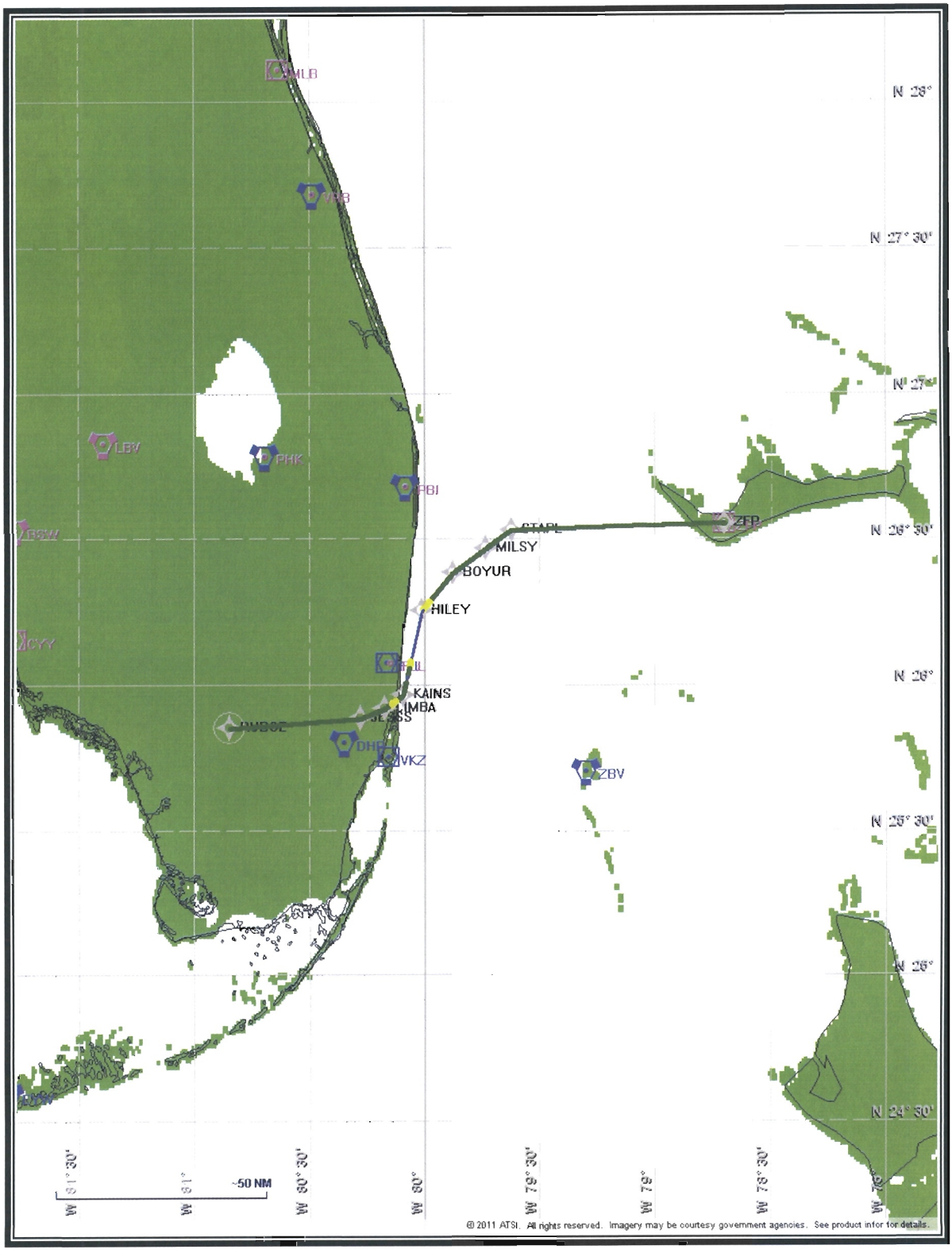
MLB
VRB
LBV
PHK
FBI
BSW
CYY
MILSY
BOYUR
HILEY
KAINS
IMBA
DHP
VKZ
ZBV
ZFP
N 28°
N 27° 30'
N 27°
N 26° 30'
N 26°
N 25° 30'
N 25°
N 24° 30'
~50 NM
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Flight Plan

Return To Summary

Name	Type	Lat/Lon	Alt [Ft]	VNAV Mode	IAS [Kts]	Turn Type	Leg Type
ZFP	WP	N 26° 33' 19.25" W 78° 41' 52.25"	16000.0	Step	250.0	Fly By	TF
STAPL	WP	N 26° 31' 51.52" W 79° 37' 14.01"	16000.0	Step	250.0	Fly By	TF
MILSY	WP	N 26° 28' 2.67" W 79° 43' 50.98"	13000.0	Step	210.0	Fly By	TF
BOYUR	WP	N 26° 23' 1.58" W 79° 52' 35.69"	10000.0	Step	210.0	Fly By	TF
HILEY	WP	N 26° 15' 15.81" W 80° 0' 47.10"	10000.0	Step	180.0	Fly By	TF
KAINS	WP	N 25° 57' 46.89" W 80° 5' 42.76"	8000.0	Step	180.0	Fly By	TF
CIMBA	WP	N 25° 55' 5.16" W 80° 10' 30.08"	4000.0	Step	180.0	Fly By	TF
JESSS	WP	N 25° 53' 2.34" W 80° 16' 41.91"	3000.0	Step	180.0	Fly By	TF
RUBOE	WP	N 25° 50' 59.97" W 80° 50' 47.01"	3000.0	Step	180.0	Fly Over	TF

Flyability

Return To Summary

Settings:

Flight Type: Arrival/Approach
Aircraft Category: Cat D
Climb Gradient: *None assigned*
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: *None assigned*
Descent During a Turn: Allowed
VNAV Mode: Flight Plan

ALTITUDE at Fly-By WP CIMBA too high.

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 , 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

Total Number of DMEs Used: 7

Maximum DME Error: 0.835 NM.

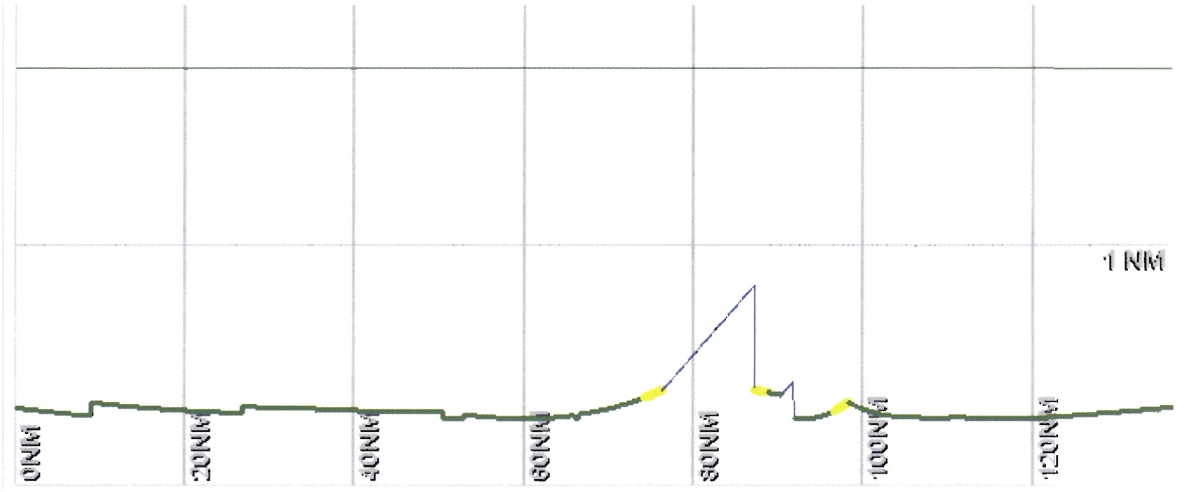
No Critical DMEs were found.

Available DMEs: FLL, PBI, VKZ, ZBV, DHP, PHK, VRB

Foreign DMEs within range: ZEF, ZFP, ZGV, I-ZQA, ZQA, ZTC

DME/DME (Continued.)

Return To Summary



DME/DME (Continued.)

Return To Summary

DMEs Used

#	Name	Lat/Lon	Range	Source	Critical	Err. [NM]	Status	Time	Distance
1	PBI	N 26° 40' 48.17" W 80° 5' 11.40"	H + ESV	User	NO	1.301	Enabled	45.4 %	44.4 %
2	ZBV	N 25° 42' 15.00" W 79° 17' 40.00"	H	Database	NO	0.835	Enabled	17.7 %	19.6 %
3	PHK	N 26° 46' 57.87" W 80° 41' 29.16"	H + ESV	User	NO	0.835	Enabled	13.1 %	14.3 %
4	VRB	N 27° 40' 42.33" W 80° 29' 23.01"	H + ESV	User	NO	0.835	Enabled	15.6 %	17.3 %
5	VKZ	N 25° 45' 6.84" W 80° 9' 15.99"	H	Database	NO	0.951	Enabled	30.6 %	29.4 %
6	DHP	N 25° 47' 59.86" W 80° 20' 56.53"	H	Database	NO	1.482	Enabled	24.2 %	23.2 %
7	FLL	N 26° 4' 29.04" W 80° 9' 8.90"	H + ESV	User	NO	0.851	Enabled	33.8 %	33.5 %

Flight Check DME Selection

Distance [NM]	Selected DMEs					Alternate
0.0	PBI	ZBV	PHK	DHP	VKZ	FLL
20.2	VRB	ZBV	PHK	DHP	VKZ	PBI
34.5	VRB	FLL	PHK	DHP	PBI	ZBV
48.9	VRB	FLL	PHK	VKZ	PBI	ZBV
56.7	PBI	FLL	PHK			
65.6	PBI	FLL	PHK	VKZ	DHP	
76.1	PBI	FLL	DHP	VKZ		
93.9	VKZ	FLL	DHP			
99.2	VKZ	FLL	DHP			
105.1	VKZ	FLL	DHP	PBI		

Inertial Drift Segments

#	Start Location	End Location	Length [NM]
1	N 26° 15' 31.57" W 80° 0' 29.99"	N 26° 4' 57.72" W 80° 3' 41.55"	10.9

VOR: DHP	Available from N 26° 15' 31.57" W 80° 0' 29.99" to N 26° 4' 57.72" W 80° 3' 41.55"
VOR: FLL	Available from N 26° 15' 31.57" W 80° 0' 29.99" to N 26° 4' 57.72" W 80° 3' 41.55"
VOR: PBI	Available from N 26° 15' 31.57" W 80° 0' 29.99" to N 26° 4' 57.72" W 80° 3' 41.55"
VOR: VKZ	Available from N 26° 15' 31.57" W 80° 0' 29.99" to N 26° 4' 57.72" W 80° 3' 41.55"

DME/DME (Continued.)

Return To Summary

Inertial Drift Segments (Continued.)

#	Start Location	End Location	Length [NM]
2	N 26° 1' 53.03" W 80° 4' 33.55"	N 26° 0' 32.02" W 80° 4' 56.34"	1.4
	VOR: DHP	Available from N 26° 1' 53.03" W 80° 4' 33.55" to N 26° 0' 32.02" W 80° 4' 56.34"	
	VOR: FLL	Available from N 26° 1' 53.03" W 80° 4' 33.55" to N 26° 0' 32.02" W 80° 4' 56.34"	
	VOR: PBI	Available from N 26° 1' 53.03" W 80° 4' 33.55" to N 26° 0' 41.75" W 80° 4' 53.60"	
	VOR: VKZ	Available from N 26° 1' 53.03" W 80° 4' 33.55" to N 26° 0' 32.02" W 80° 4' 56.34"	

User DMEs

#	Name	Lat/Lon	Range	Elevation [Ft]	Frequency	Replaces:	Status
1	FLL	N 26° 4' 29.04" W 80° 9' 8.90"	H	5.5	114.40	FLL	Used
	Restriction:	Bearing [True]: 350.0° to 20.0° Bearing [Mag]: 350.0° to 20.0°			Distance: Beyond 30.0 NM Altitude: Below 5000.0 Ft.		
	ESV:	Bearing [True]: 359.0° to 13.0° Bearing [Mag]: 359.0° to 13.0°			Arc Distance: Out to 55.0 NM Altitude: 5000.0 to 14500.0 Ft.		
	ESV:	Bearing [True]: 22.0° to 65.0° Bearing [Mag]: 22.0° to 65.0°			Arc Distance: Out to 57.0 NM Altitude: 8000.0 to 18000.0 Ft.		
	ESV:	Bearing [True]: 190.0° to 205.0° Bearing [Mag]: 190.0° to 205.0°			Arc Distance: Out to 70.0 NM Altitude: 8000.0 to 14500.0 Ft.		
	ESV:	Bearing [True]: 20.0° to 55.0° Bearing [Mag]: 20.0° to 55.0°			Arc Distance: Out to 60.0 NM Altitude: 2500.0 to 14600.0 Ft.		
	ESV:	Bearing [True]: 195.0° to 300.0° Bearing [Mag]: 195.0° to 300.0°			Arc Distance: Out to 50.0 NM Altitude: 2000.0 to 7000.0 Ft.		
2	PBI	N 26° 40' 48.17" W 80° 5' 11.40"	H	52.1	115.70	PBI	Used
	ESV:	Bearing [True]: 55.0° to 109.0° Bearing [Mag]: 58.0° to 112.0°			Arc Distance: Out to 50.0 NM Altitude: 8000.0 to 14500.0 Ft.		
	ESV:	Bearing [True]: 130.0° to 150.0° Bearing [Mag]: 133.0° to 153.0°			Arc Distance: Out to 90.0 NM Altitude: 11000.0 to 14600.0 Ft.		
	ESV:	Bearing [True]: 190.0° to 240.0° Bearing [Mag]: 193.0° to 243.0°			Arc Distance: Out to 70.0 NM Altitude: 3000.0 to 7000.0 Ft.		
3	PHK	N 26° 46' 57.87" W 80° 41' 29.16"	H	15.5	115.40	PHK	Used
	ESV:	Bearing [True]: 102.0° to 120.0° Bearing [Mag]: 102.0° to 120.0°			Arc Distance: Out to 66.0 NM Altitude: 8000.0 to 16000.0 Ft.		

DME/DME (Continued.)

Return To Summary

User DMEs (Continued.)

#	Name	Lat/Lon	Range	Elevation [Ft]	Frequency	Replaces:	Status
4	VRB	N 27° 40' 42.33" W 80° 29' 23.01"	H	11.4	117.30	VRB	Used

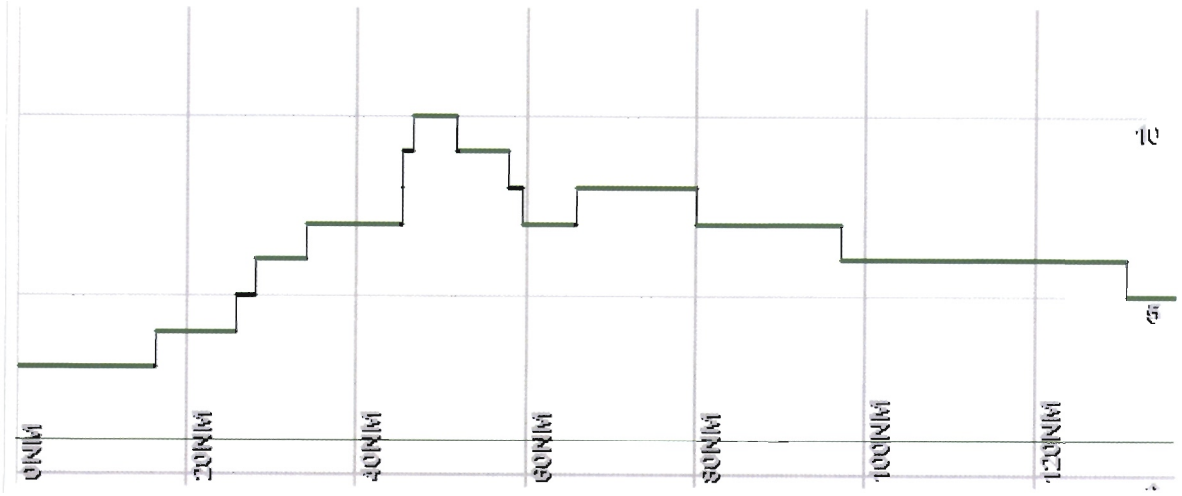
ESV: Bearing [True]: 144.0° to 152.0°
Bearing [Mag]: 148.0° to 156.0°
Arc Distance: Out to 50.0 NM
Altitude: 3000.0 to 10000.0 Ft.

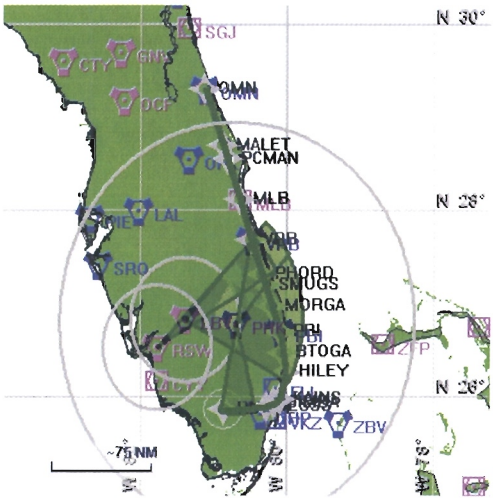
ESV: Bearing [True]: 135.0° to 155.0°
Bearing [Mag]: 139.0° to 159.0°
Arc Distance: Out to 67.0 NM
Altitude: 3500.0 to 14600.0 Ft.

Radar Analysis

Return To Summary

Settings: **Radar Types:** ARSR and ASR





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Project Name:	HILEY3 OMN 3 22 2011
Software:	RNAV-Pro™
Version:	2.35
Date/Time:	3/22/2011 10:36:33 AM
Input File:	HILEY OMN 20110320.t...
Databases:	AVNIS Date: 01/27/2011
	NFD Date: 07/02/2009
	DTED® (MAX) Date: 2002

Results Summary:

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

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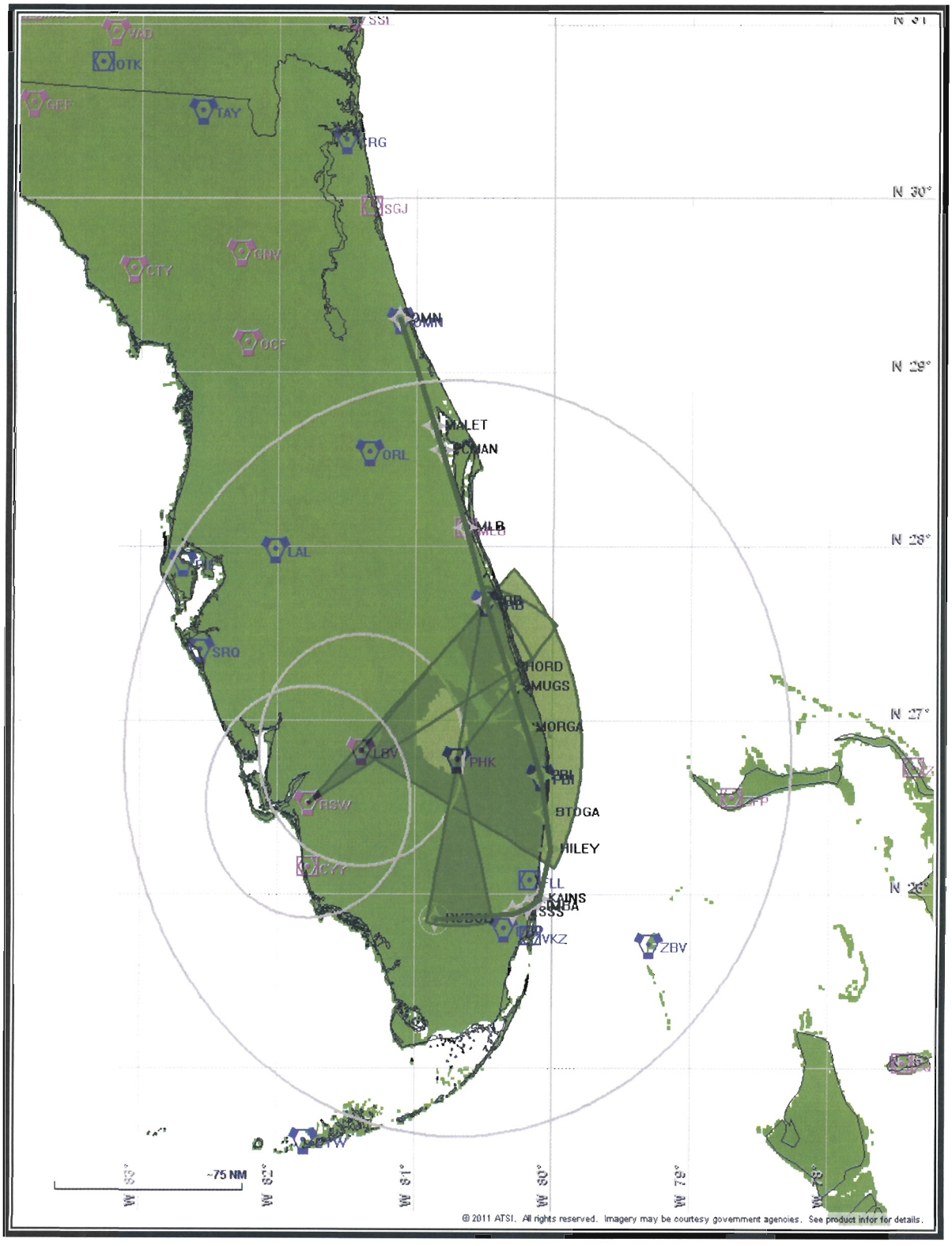
OTK
GEF
TAY
CRG
SGJ
CTY
GNV
OCF
OMN
MALET
ORL
MLB
LAL
SRQ
HORD
MUGS
MORGA
LBV
PHK
RSW
BTOGA
HILEY
FLL
KAINS
VKZ
ZBV
N 30°
N 29°
N 28°
N 27°
~75 NM
W 83°
W 82°
W 81°
W 80°
W 79°
W 78°
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Flight Plan

Return To Summary

Name	Type	Lat/Lon	Alt [Ft]	VNAV Mode	IAS [Kts]	Turn Type	Leg Type
OMN	WP	N 29° 18' 11.71" W 81° 6' 45.71"	18000.0	Step	250.0	Fly By	TF
MALET	WP	N 28° 41' 29.90" W 80° 52' 4.30"	18000.0	Step	240.0	Fly By	TF
PCMAN	WP	N 28° 32' 52.71" W 80° 48' 37.54"	18000.0	Step	240.0	Fly By	TF
MLB	WP	N 28° 6' 19.02" W 80° 38' 7.22"	16000.0	Step	210.0	Fly By	TF
VRB	WP	N 27° 40' 42.31" W 80° 29' 22.59"	10000.0	Step	180.0	Fly By	TF
PHORD	WP	N 27° 18' 4.64" W 80° 20' 11.06"	10000.0	Step	180.0	Fly By	TF
SMUGS	WP	N 27° 11' 33.07" W 80° 17' 33.05"	10000.0	Step	180.0	Fly By	TF
MORGA	WP	N 26° 57' 36.78" W 80° 11' 55.87"	10000.0	Step	180.0	Fly By	TF
PBI	WP	N 26° 40' 48.19" W 80° 5' 11.42"	10000.0	Step	180.0	Fly By	TF
BTOGA	WP	N 26° 27' 56.38" W 80° 2' 58.04"	10000.0	Step	180.0	Fly By	TF
HILEY	WP	N 26° 15' 15.81" W 80° 0' 47.10"	10000.0	Step	180.0	Fly By	TF
KAINS	WP	N 25° 57' 46.89" W 80° 5' 42.76"	8000.0	Step	180.0	Fly By	TF
CIMBA	WP	N 25° 55' 5.16" W 80° 10' 30.08"	4000.0	Step	180.0	Fly By	TF
JESSS	WP	N 25° 53' 2.34" W 80° 16' 41.91"	3000.0	Step	180.0	Fly By	TF
RUBOE	WP	N 25° 50' 59.97" W 80° 50' 47.01"	3000.0	Step	180.0	Fly Over	TF

Flyability

Return To Summary

Settings:

Flight Type: Arrival/Approach
Aircraft Category: Cat D
Climb Gradient: *None assigned*
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: *None assigned*
Descent During a Turn: Allowed
VNAV Mode: Flight Plan

ALTITUDE at Fly-By WP CIMBA too high.

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 , 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

Total Number of DMEs Used: 14

Maximum DME Error: 1.320 NM.

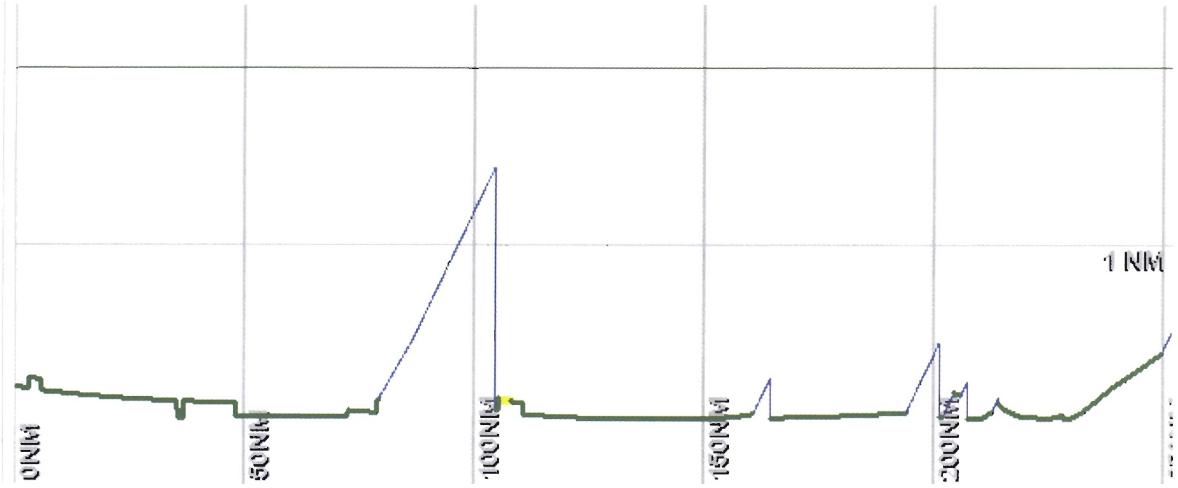
No Critical DMEs were found.

Available DMEs: CRG, LAL, ORL, PIE, VRB, OMN, MLB, PHK, PBI, LBV, RSW, FLL, VKZ, DHP

Foreign DMEs within range: ZFP, ZTC, I-ZQA, ZQA, ZGV

DME/DME (Continued.)

Return To Summary



DME/DME (Continued.)

Return To Summary

DMEs Used

#	Name	Lat/Lon	Range	Source	Critical	Err. [NM]	Status	Time	Distance
1	CRG	N 30° 20' 19.97" W 81° 30' 35.74"	H	Database	NO	1.320	Enabled	0.9 %	1.1 %
2	PIE	N 27° 54' 27.95" W 82° 41' 3.51"	H	Database	NO	1.320	Enabled	15.3 %	18.5 %
3	VRB	N 27° 40' 42.33" W 80° 29' 23.01"	H	Database	NO	1.320	Enabled	19.8 %	19.6 %
4	OMN	N 29° 18' 11.71" W 81° 6' 45.71"	H	Database	NO	1.320	Enabled	13.3 %	15.7 %
5	ORL	N 28° 32' 33.72" W 81° 20' 6.13"	H	Database	NO	1.272	Enabled	0.5 %	0.6 %
6	MLB	N 28° 6' 19.02" W 80° 38' 7.22"	L	Database	NO	1.428	Enabled	5.2 %	6.0 %
7	LAL	N 27° 59' 10.25" W 82° 0' 49.99"	H	Database	NO	1.320	Enabled	11.0 %	12.3 %
8	PHK	N 26° 46' 57.87" W 80° 41' 29.16"	H + ESV	User	NO	1.443	Enabled	9.2 %	8.9 %
9	LBV	N 26° 49' 41.43" W 81° 23' 29.17"	L + ESV	User	NO	1.361	Enabled	27.4 %	25.5 %
10	RSW	N 26° 31' 47.55" W 81° 46' 32.76"	L + ESV	User	NO	1.320	Enabled	2.3 %	2.2 %
11	PBI	N 26° 40' 48.19" W 80° 5' 11.42"	H	Database	NO	1.320	Enabled	10.3 %	9.6 %
12	FLL	N 26° 4' 27.04" W 80° 9' 46.70"	H	Database	NO	1.473	Enabled	25.3 %	23.6 %
13	DHP	N 25° 47' 59.86" W 80° 20' 56.53"	H	Database	NO	1.320	Enabled	12.6 %	11.8 %
14	VKZ	N 25° 45' 6.84" W 80° 9' 15.99"	H	Database	NO	1.320	Enabled	10.4 %	9.7 %

Flight Check DME Selection

Distance [NM]	Selected DMEs					Alternate
0.0	CRG	PIE	VRB	OMN	ORL	LAL
20.2	MLB	PIE	VRB	OMN	ORL	LAL
38.8	MLB	PIE	VRB	OMN	LAL	ORL
47.9	MLB	PIE	ORL	OMN	LAL	VRB
58.0	MLB	PHK	VRB	OMN	LAL	ORL
75.8	ORL	PHK	VRB	OMN	LAL	PBI
102.5	LBV	PHK	VRB	RSW	MLB	
116.5	LBV	PHK	VRB	RSW	PBI	

DME/DME (Continued.)

Return To Summary

Flight Check DME Selection (Continued.)

Distance [NM]	Selected DMEs					Alternate
126.7	LBV	PHK	VRB	RSW	PBI	
133.6	LBV	PHK	VRB	PBI		
148.4	LBV	PHK	FLL	PBI		
165.8	LBV	PHK	FLL	PBI		
179.2	LBV	VKZ	FLL	PBI	DHP	
191.4	LBV	VKZ	FLL	PBI	DHP	
209.2	DHP	VKZ	FLL			
214.6	DHP	VKZ	FLL			
220.4	DHP	VKZ	FLL			

Inertial Drift Segments

#	Start Location	End Location	Length [NM]
1	N 28° 3' 29.52" W 80° 37' 8.71"	N 27° 39' 11.88" W 80° 28' 46.16"	25.3
	VOR: MLB	Available from N 28° 3' 29.52" W 80° 37' 8.71" to N 27° 39' 11.88" W 80° 28' 46.16"	
	VOR: VRB	Available from N 28° 3' 29.52" W 80° 37' 8.71" to N 27° 39' 11.88" W 80° 28' 46.16"	
2	N 26° 46' 4.05" W 80° 7' 17.83"	N 26° 42' 33.27" W 80° 5' 53.44"	3.7
	VOR: PBI	Available from N 26° 46' 4.05" W 80° 7' 17.83" to N 26° 42' 33.27" W 80° 5' 53.44"	
	VOR: PHK	Available from N 26° 46' 4.05" W 80° 7' 17.83" to N 26° 42' 33.27" W 80° 5' 53.44"	
	VOR: FLL	Available from N 26° 44' 26.53" W 80° 6' 38.77" to N 26° 42' 33.27" W 80° 5' 53.44"	
3	N 26° 13' 28.83" W 80° 1' 17.09"	N 26° 6' 27.68" W 80° 3' 16.06"	7.2
	VOR: DHP	Available from N 26° 13' 28.83" W 80° 1' 17.09" to N 26° 6' 27.68" W 80° 3' 16.06"	
	VOR: FLL	Available from N 26° 13' 28.83" W 80° 1' 17.09" to N 26° 6' 27.68" W 80° 3' 16.06"	
	VOR: PBI	Available from N 26° 13' 28.83" W 80° 1' 17.09" to N 26° 6' 27.68" W 80° 3' 16.06"	
	VOR: VKZ	Available from N 26° 13' 28.83" W 80° 1' 17.09" to N 26° 6' 27.68" W 80° 3' 16.06"	

DME/DME (Continued.)

Return To Summary

Inertial Drift Segments (Continued.)

#	Start Location	End Location	Length [NM]
4	N 26° 5' 48.80" W 80° 3' 27.02"	N 26° 3' 32.72" W 80° 4' 5.39"	2.3
	VOR: DHP	Available from N 26° 5' 48.80" W 80° 3' 27.02" to N 26° 3' 32.72" W 80° 4' 5.39"	
	VOR: FLL	Available from N 26° 5' 48.80" W 80° 3' 27.02" to N 26° 3' 32.72" W 80° 4' 5.39"	
	VOR: PBI	Available from N 26° 5' 48.80" W 80° 3' 27.02" to N 26° 3' 32.72" W 80° 4' 5.39"	
	VOR: VKZ	Available from N 26° 5' 48.80" W 80° 3' 27.02" to N 26° 3' 32.72" W 80° 4' 5.39"	
5	N 26° 1' 52.28" W 80° 4' 33.68"	N 26° 0' 31.28" W 80° 4' 56.49"	1.4
	VOR: DHP	Available from N 26° 1' 52.28" W 80° 4' 33.68" to N 26° 0' 31.28" W 80° 4' 56.49"	
	VOR: FLL	Available from N 26° 1' 52.28" W 80° 4' 33.68" to N 26° 0' 31.28" W 80° 4' 56.49"	
	VOR: PBI	Available from N 26° 1' 52.28" W 80° 4' 33.68" to N 26° 0' 44.24" W 80° 4' 52.84"	
	VOR: VKZ	Available from N 26° 1' 52.28" W 80° 4' 33.68" to N 26° 0' 31.28" W 80° 4' 56.49"	
6	N 25° 56' 21.46" W 80° 8' 14.23"	N 25° 55' 39.10" W 80° 9' 29.60"	1.3
	VOR: DHP	Available from N 25° 56' 21.46" W 80° 8' 14.23" to N 25° 55' 39.10" W 80° 9' 29.60"	
	VOR: FLL	Available from N 25° 56' 21.46" W 80° 8' 14.23" to N 25° 55' 39.10" W 80° 9' 29.60"	
	VOR: VKZ	Available from N 25° 56' 21.46" W 80° 8' 14.23" to N 25° 55' 39.10" W 80° 9' 29.60"	
7	N 25° 51' 9.49" W 80° 48' 12.87"	N 25° 51' 0.16" W 80° 50' 44.01"	2.3
	VOR: DHP	Available from N 25° 51' 9.49" W 80° 48' 12.87" to N 25° 51' 0.16" W 80° 50' 44.01"	
	VOR: FLL	Available from N 25° 51' 9.49" W 80° 48' 12.87" to N 25° 51' 0.16" W 80° 50' 44.01"	
	VOR: VKZ	Available from N 25° 51' 9.49" W 80° 48' 12.87" to N 25° 51' 0.16" W 80° 50' 44.01"	

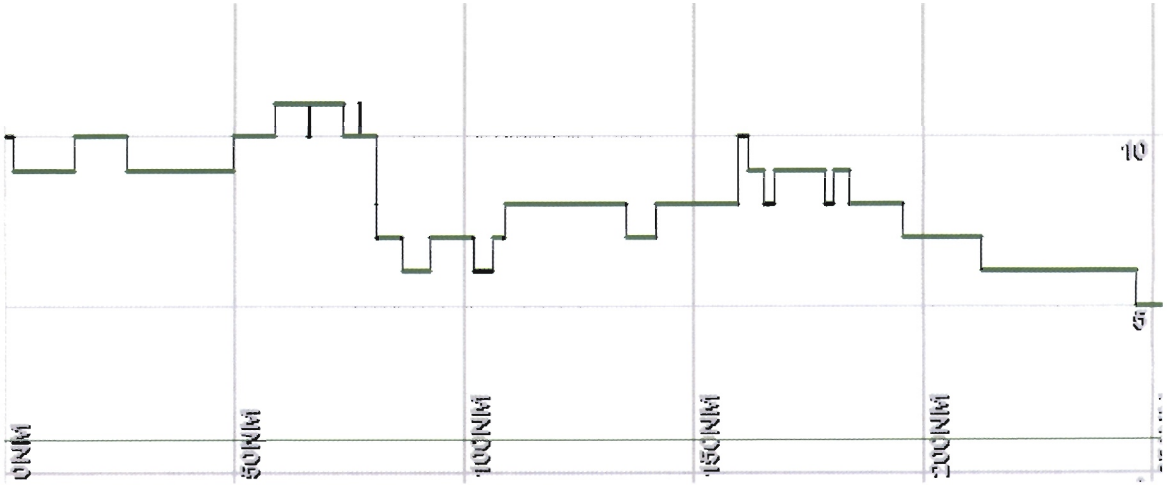
DME/DME (Continued.)

Return To Summary

User DMEs

#	Name	Lat/Lon	Range	Elevation [Ft]	Frequency	Replaces:	Status
1	LBV	N 26° 49' 41.43" W 81° 23' 29.17"	L	30.0	110.40	LBV	Used
		ESV: Bearing [True]: 43.0° to 118.0° Bearing [Mag]: 42.0° to 117.0°			Arc Distance: Out to 86.0 NM Altitude: 7000.0 to 19000.0 Ft.		
2	PHK	N 26° 46' 57.87" W 80° 41' 29.16"	H	15.5	115.40	PHK	Used
		ESV: Bearing [True]: 10.0° to 40.0° Bearing [Mag]: 10.0° to 40.0°			Arc Distance: Out to 60.0 NM Altitude: 9000.0 to 19000.0 Ft.		
		ESV: Bearing [True]: 166.0° to 192.0° Bearing [Mag]: 166.0° to 192.0°			Arc Distance: Out to 58.0 NM Altitude: 3000.0 to 6000.0 Ft.		
3	RSW	N 26° 31' 47.55" W 81° 46' 32.76"	L	25.0	111.80	RSW	Used
		ESV: Bearing [True]: 45.0° to 60.0° Bearing [Mag]: 47.0° to 62.0°			Arc Distance: Out to 100.0 NM Altitude: 9000.0 to 18000.0 Ft.		

Radar Analysis

Return To Summary

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