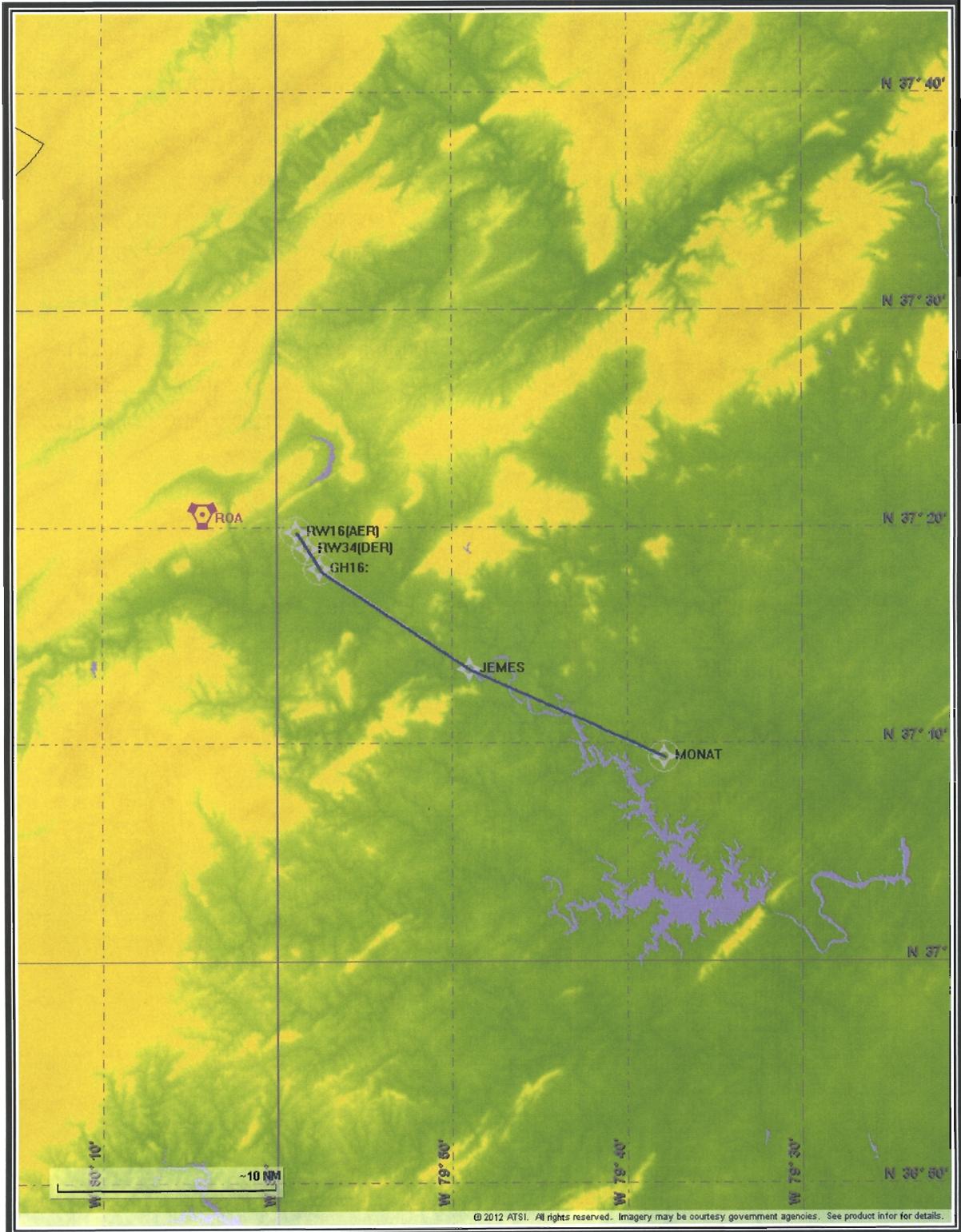


Name: DAVE COOK
Project Name: KROA MONAT1 SID RW16
MONAT 20120320
Software: RNAV-Pro™
Version: 2.35l
Date/Time: 3/20/2012 2:39:48 PM
Input File: KROA MONAT1 SID
RW16...
Databases: AVNIS Date: 08/26/2011
NFD Date: 07/02/2009
DTED® (MAX) Date: 2002

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
RW16(A...	WP	N 37° 19' 44.24" W 79° 58' 52.05"	1165.6	VNAV	0.0	Fly Over	TF
RW34(D...	WP	N 37° 18' 55.57" W 79° 58' 13.86"	1177.9	VNAV	130.0	Fly Over	VA
GH16:	WP	N 37° 18' 1.71" W 79° 57' 31.59"	1672.0	VNAV	145.0	Fly Over	DF
JEMES	WP	N 37° 13' 22.77" W 79° 48' 58.05"	3324.2	VNAV	180.0	Fly By	TF
MONAT	WP	N 37° 9' 20.61" W 79° 37' 47.21"	5000.0	VNAV	180.0	Fly Over	TF

Flyability	Return To Summary
Settings:	<p>Flight Type: Departure Selected Airport: KROA Aircraft Category: Cat D Climb Gradient: 500.0 Ft/NM up to 1675.0 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: <i>None assigned</i> Descent During a Turn: Allowed VNAV Mode: Flight Plan</p>
<p>Flight Track comes into contact with terrain. Minimum AGL along route was -84.40 Ft. Flight Track contacted terrain (DTED lvl 0 max) between AER and DER or within 2/3 NM of DER.</p>	

DME/DME	Return To Summary										
<p>Settings:</p>	<p>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</p>										
<p>Total Number of DMEs Used: 0</p>											
<p>Maximum DME Error Could not be Derived with < 2 DMEs.</p>											
<p>No Critical DMEs were found.</p>											
<p>Available DMEs: ROA, LYH</p>											
<p>Detailed description: A line graph with 'Travel Distance [NM]' on the x-axis and 'DME/INS Error [NM]' on the y-axis. The x-axis has major ticks at 0, 5, 10, and 15. The y-axis has a major tick at 1. A single blue line starts at the origin (0,0) and rises linearly to the point (15,1). The label '1 NM' is placed at the end of the line on the right side of the graph.</p> <table border="1"> <caption>Data points from the DME/INS Error graph</caption> <thead> <tr> <th>Travel Distance [NM]</th> <th>DME/INS Error [NM]</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>0</td> </tr> <tr> <td>5</td> <td>0.33</td> </tr> <tr> <td>10</td> <td>0.67</td> </tr> <tr> <td>15</td> <td>1.00</td> </tr> </tbody> </table>		Travel Distance [NM]	DME/INS Error [NM]	0	0	5	0.33	10	0.67	15	1.00
Travel Distance [NM]	DME/INS Error [NM]										
0	0										
5	0.33										
10	0.67										
15	1.00										

DME/DME (Continued.)		Return To Summary	
Flight Check DME Selection			
Distance [NM]	Selected DMEs		Alternate
0.0			
1.0			
2.0	LYH	ROA	
10.1	LYH	ROA	
Inertial Drift Segments			
#	Start Location	End Location	Length [NM]
1	N 37° 19' 44.24" W 79° 58' 52.05"	N 37° 9' 20.70" W 79° 37' 47.47"	20.1
	VOR: LWB	Available from N 37° 19' 44.24" W 79° 58' 52.05" to N 37° 17' 44.00" W 79° 57' 9.38"	
	VOR: LYH	Available from N 37° 19' 44.24" W 79° 58' 52.05" to N 37° 9' 20.70" W 79° 37' 47.47"	
	VOR: ODR	Available from N 37° 19' 44.24" W 79° 58' 52.05" to N 37° 9' 20.70" W 79° 37' 47.47"	
	VOR: PSK	Available from N 37° 19' 44.24" W 79° 58' 52.05" to N 37° 16' 26.40" W 79° 54' 43.28"	
	VOR: ROA	Available from N 37° 19' 44.24" W 79° 58' 52.05" to N 37° 9' 20.70" W 79° 37' 47.47"	
	VOR: DAN	Available from N 37° 10' 30.76" W 79° 41' 1.31" to N 37° 9' 20.70" W 79° 37' 47.47"	

