Look Angle Calculations, Workshop 02
In-Class – September 4, 2012

Please perform ALL of the following calculations on your computer and submit the results with formulas used, program (if any), and discussion.

For the following satellite link:

**Earth Station: Washington, DC**
Latitude: \( \text{Lat}_e = 38.895^\circ \text{N} \) (+38.895°)
Longitude: \( \text{Lon}_e = 77.0363^\circ \text{W} \) (-77.0363°)

**Satellite: Geosynchronous at 91W**
Latitude: \( \text{Lat}_s = 0^\circ \) (+0°)
Longitude: \( \text{Lon}_s = 91^\circ \text{W} \) (-91°)

Find the range, elevation, and azimuth angles from the earth station to the satellite.