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**Calculate Azimuth And Elevation Angles**

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**Calculator** / Calculate Azimuth And Elevation Angles        [Excellent ▼] **Rate This Calculator**

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Simply input the Earth Station Latitude and Longitude, and then the Satellite Latitude and Longitude, and this calculator calculates the Azimuth angle, the Elevation Angle, and the Range.

**Comment On This Calculator**

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**Input Fields**

**Earth Station Information**                          **Satellite Information**

| Height (amsl): | 100 | m | | Latitude (+ is North): | 0 | degrees |

| Latitude (+ is North): | 39 | degrees | | Longitude (+/- 180, + is East): | -60 | degrees |

| Longitude (+/- 180, + is East): | -77 | degrees |

[ Calculate ]   [ Clear ]

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**Results**

| Azimuth Angle (clockwise from True North): | 154.07 | degrees |

| Elevation Angle: | 41.526 | degrees |

| Maximum Range: | 37656.005 | km |

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### Input Fields

**Earth Station Information**

| | | |
|---|---|---|
| Height (amsl): | 100 | m |
| Latitude (+ is North): | 39 | degrees |
| Longitude (+/- 180, + is East): | -77 | degrees |

**Satellite Information**

| | | |
|---|---|---|
| Latitude (+ is North): | 0 | degrees |
| Longitude (+/- 180, + is East): | -143 | degrees |

[ Calculate ]  [ Clear ]

### Results

| | | |
|---|---|---|
| Azimuth Angle (clockwise from True North): | 254.377 | degrees |
| Elevation Angle: | 9.868 | degrees |
| Maximum Range: | 40595.533 | km |

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