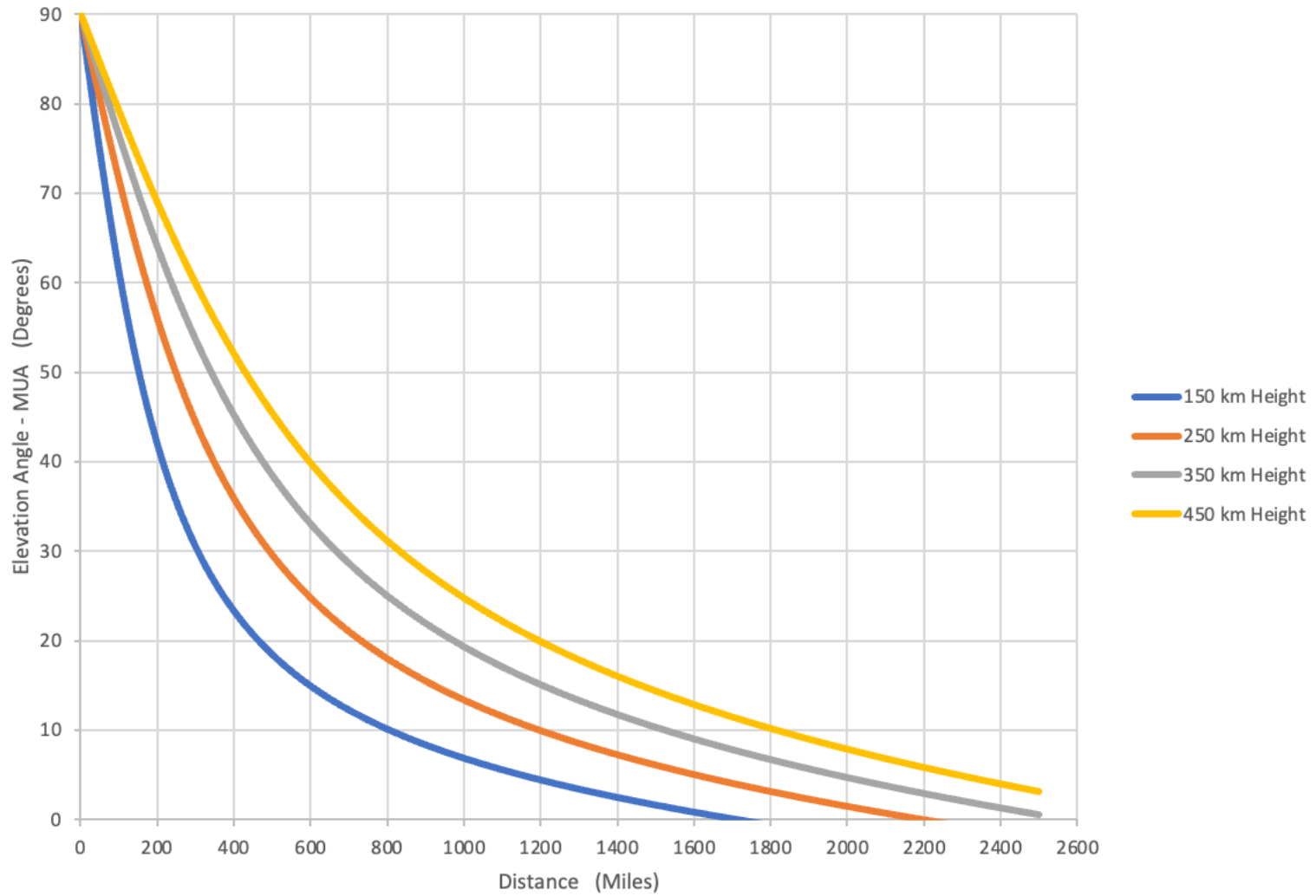
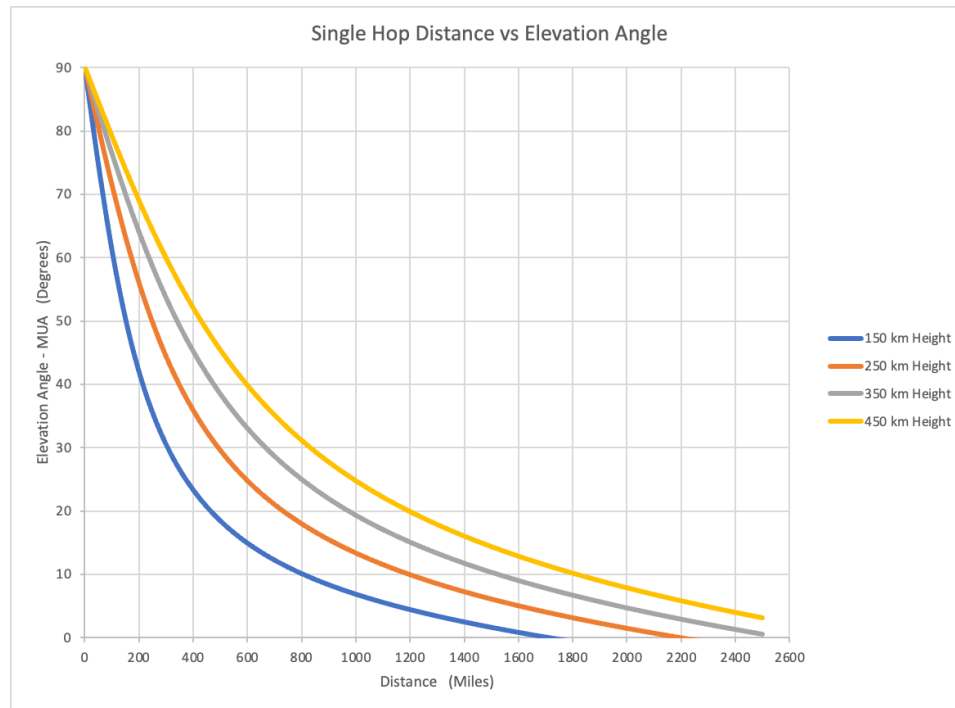


Single Hop Distance vs Elevation Angle



Single Hop Distance vs Elevation Angle



- This chart provides the single hop distance of a signal transmitted at a given elevation angle
- Use the chart by selecting the current ionosphere F2 layer height (h_mF2) from the appropriate Ionosonde Site by clicking on Ionogram under the Current Conditions tab of the web site www.skywave-radio.org (for California select Port Arguello.CA h_mF2)
- Hop distance is given by reading down to the Distance axis from the intersection of the desired elevation angle and the curve showing the current height of the ionosphere's F2 layer
- For example, the hop distance of a signal transmitted at an elevation angle of 30 degrees is approximately 500 miles when the height of the ionosphere's F2 layer is 250 km