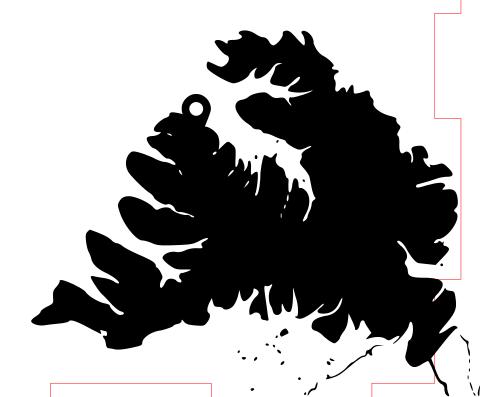
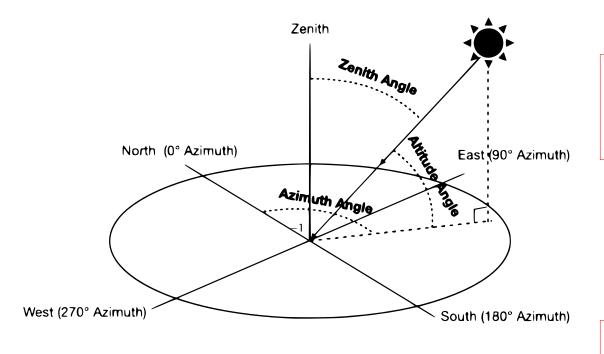
Days of darkness in Ísafjörður

The last day before the sun disappears behind the mountains in Ísafjörður is November 16th and it reappears on January 25th.



Solar azimuth and zenith angle



Formula for solar azimuth angle $A=cos^{-1}[(sin(\delta)-sin(arphi)*cos(h))/(cos(arphi)*sin(h))]$

Formula for solar zenith angle $\cos \theta_s = \sin \alpha_s = \sin \Phi \sin \delta + \cos \Phi \cos \delta \cos h$

Input:

dd:mm:hh Lat/Lon

Output:

Azimuth of landscape plate 0°<= a <360°

Elevation of the sun $0^{\circ} <= \beta < 90^{\circ}$

