Northward Equinox: Sunrise and Sunset Azimuth (Direction) vs. Latitude

March 20, 2006 at 18:17:28 UT, EoT -7.4', apparent solar noon at 94° 22' 5.3" W, sea level.

Sunrise Azimuth from True East (>0° = NE)

Sunset Azimuth from True West (>0° = NW)

Analysis by Dr. Irv Bromberg, University of Toronto, Canada

http://www.sym454.org/seasons/
North Solstice: Sunrise and Sunset Azimuth (Direction) vs. Latitude
June 21, 2006 at 12:23:34 UT, EoT -1.7', apparent solar noon at 5° 53' 33" W, sea level.

Analysis by Dr. Irv Bromberg, University of Toronto, Canada
http://www.sym454.org/seasons/
Southward Equinox: Sunrise and Sunset Azimuth (Direction) vs. Latitude

September 23, 2006 at 04:10:39 UT, EoT +7.5', apparent solar noon at 117° 20' 16.8" E, sea level.

Sunrise Azimuth from True East (>0° = NE)

Sunset Azimuth from True West (>0° = NW)

Latitude (>0° = Northern Hemisphere)

Sunrise Azimuth (Direction)

Sunset Azimuth (Direction)
South Solstice: Sunrise and Sunset Azimuth (Direction) vs. Latitude

December 22, 2006 at 00:23:15 UT, EoT +1.7', apparent solar noon at 174° 11' 13.1" E, sea level.

Analysis by Dr. Irv Bromberg, University of Toronto, Canada
http://www.sym454.org/seasons/