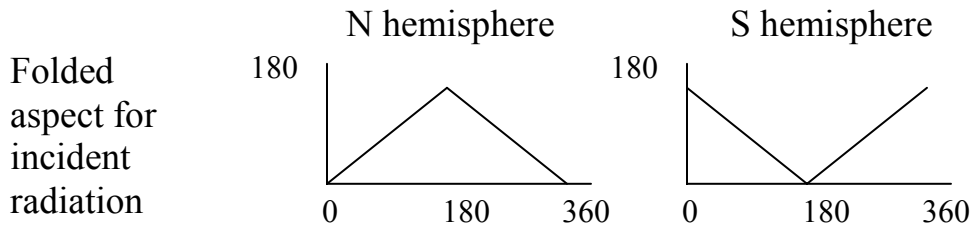
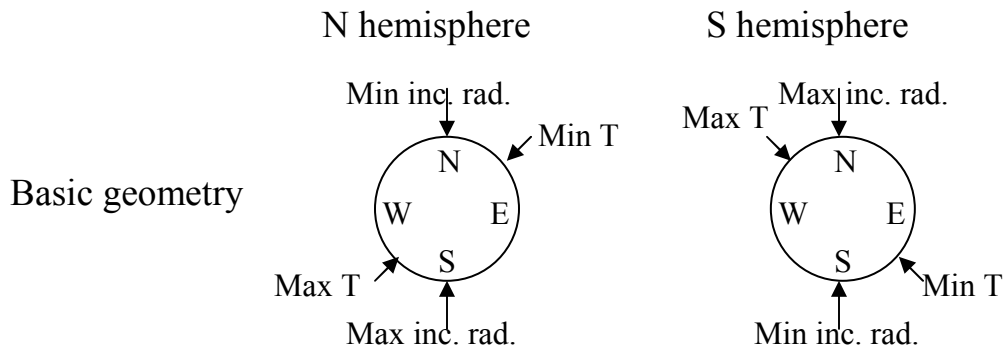


**Calculation of “folded aspect” for radiation and heat load equations for the southern hemisphere.**

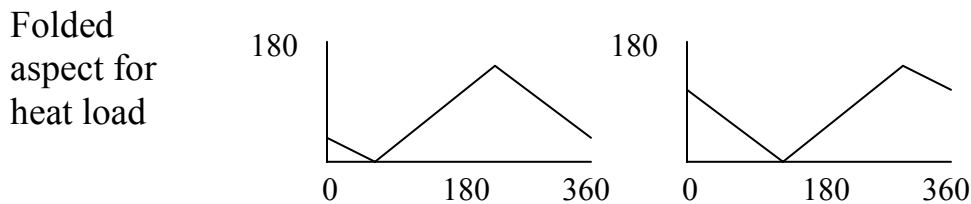
Supplement to McCune & Keon (2002).

B. McCune, 4 October 2004.

You can use the equations given in McCune & Keon (2002) for the southern hemisphere if you do two things: (1) enter your latitudes as positive values and (2) use a different formula for folded aspect, as given below. The diagrams below illustrate the principle. The equations are given below in degrees, so you may need to convert them to radians, depending on how your spreadsheets are set up.



Folded aspect =  $180 - | \text{Aspect} - 180 |$        $| \text{Aspect} - 180 |$



Folded aspect =  $| 180 - | \text{Aspect} - 225 ||$        $| 180 - | \text{Aspect} - 315 ||$