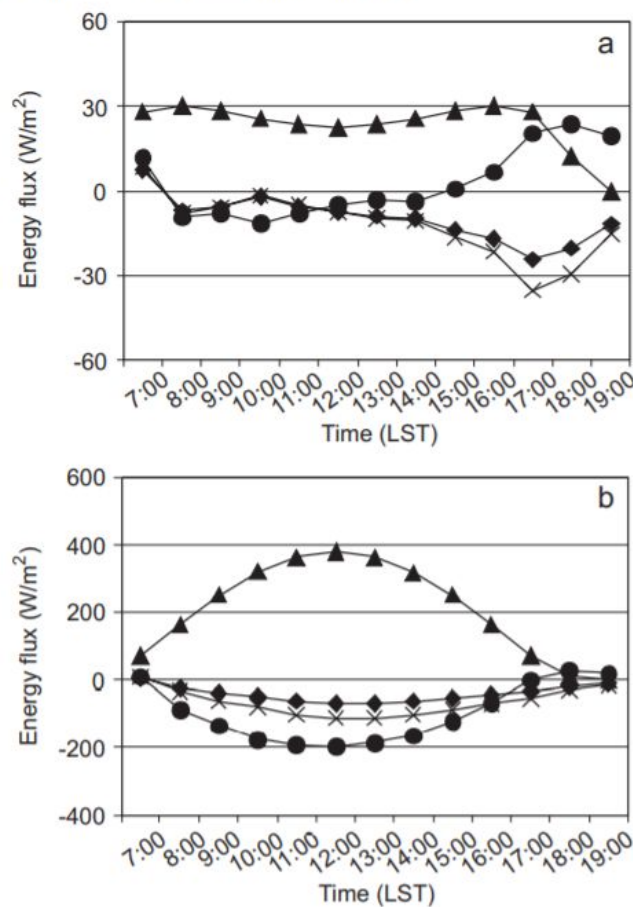# Combined source terms

I eyeballed the source terms from figure 4 of the Potter Anderson paper, shown below, and summed them up to find the net source terms for the north and south side of the tree.

Individual source terms for north and south sides of the tree

Fig. 4. Modeled energy fluxes for (*a*) north- and (*b*) south-aspect surface points. Fluxes shown include insolation (▲), net infrared (◆), convection (×), and conduction (●).

In figure 4, insolation (the triangle) corresponds to $-(S_{dir}+S_{dif})(1-\alpha)/\Delta r$, net infrared (the diamond) corresponds to $-(IR_{in}-IR_{out})/\Delta r$, convection (the x) corresponds to $-H/\Delta r$, and conduction (the circle) corresponds to k.

Next using the data given in figure 4 above, I used linear interpolation to create a plot of the net source terms for the north and south side of the tree, shown below.

Combined source terms