DAMM- MCNiP

Objective: Merge two models

Take home: need DAMM’s simulation of soil moisture effects to reproduce wet up events.

Emphasis on positive feedbacks of more substrate availability made possible by MCNiP

Figure 1. Model performance over the year.

QUESTION: include Kathleen’s new data?

Here is the 2013-2014 flux, soil temperature and moisture data from the trenched experiment.

I converted it to mean hourly fluxes for trenched and control but realize that our cycle time through the chambers was 45 minute periods, so I am not sure how to get to even hourly mean fluxes- basically I would have a different number of chambers making up the hourly average each hour- I could do hour and a half intervals, but hourly is tricky.  In the meantime here is all the data at 5 minute intervals for each chamber.

Figure 2. Zoom in on wet-up event.

Figure 3. Re-create warming experiment.

H+N

Hemlock