

To conclude section 2, we will run a simple exercise. In this case, I would like you to rerun the test case calculation. But this time instead of a hypothetical location, use the actual latitude and longitude of Dayton, Ohio.

So you can find that location several ways. Let's start with looking for it in the report. In this case we're going to open up file explorer, go to the Tutorial and under captex, you see the report. Which I will open up and scroll down to probably table number one and there you have the latitude and longitude of Dayton, Ohio, tracer release point. You can make a note of this.

Another way of doing it... let's open up the GUI menu and what I am going to do now is click the reset button because I know people might've been experimenting or doing different calculations and this'll reset the GUI back to its base test case scenario.

So now if I go into the setup run menu, I could, for instance, enter the latitude and longitude here that you'd just written down or I could go to the list and scroll down and find, if I'm lucky, Dayton, Ohio, which is already in the list. So what we did was just clicked on starting location, clicked on list, and found Dayton, Ohio. Cancel here.

At this point all we need to do is save, run model, and then display, contours, and there is the tracer plume from Dayton, Ohio, rather than this arbitrary location 40, 90, which is off the map in Illinois.

The last point I want to make is that list that we used in the GUI to select Dayton, if we go and open up the hysplit4 working directory, where the model is installed, you'll see a file call plants.txt. In this file you can add your own locations if you like. These that were just put in here were

reference points around the world but if you have specific locations you can add them here. How do you select different lists? The quick way of doing that would be to go back to the menu, we will go through this some other time, advanced, configuration set up, set directories, and here you can define a different starting location file.