

## Model Operation

### Requirements

A trajectory or concentration simulation only requires one file called [CONTROL](#), which defines various model parameters and other input and output files. An optional file called [SETUP.CFG](#) may be present to define more advanced simulation features. The only function of the GUI is to create these files and set any other command line options that some of the post-processing graphics programs may require.

### Starting from the Tcl/Tk GUI

The desktop should contain the HYSPLIT shortcut with the following properties:

Target: \hysplit4\guicode\hysplit4.tcl  
Start in: \hysplit4

The HYSPLIT "Start in" directory contains sample CONTROL files that can be used for initial guidance to set up more complex simulations. These should be loaded into the GUI from the "Retrieve" menu tab. Examples include:

sample\_conc - concentration simulation example from users guide  
sample\_traj - trajectory simulation example from users guide  
back\_conc - backward dispersion simulation for concentration  
back\_traj - backward trajectory simulation

### Starting from the command line

For instance to run the sample trajectory:

```
cd \hysplit4 - change to the "start in" directory
copy sample_traj control - create the control file
..\exec\hymodelt - runs the trajectory model
..\exec\trajplot\tdump - creates the Postscript graphic
trajplot.ps - should open Ghostview
```

For [command line help](#) on the trajectory program:

```
..\exec\trajplot - without any command line options
```

To run the trajectory model from a customized control file:

```
..\exec\hymodelt traj - opens file CONTROL.traj
```