

RAIMI Tools–ISCBatch User's Manual



**U.S Environmental Protection Agency, Region 6
Multimedia Planning and Permitting Division
1445 Ross Avenue – Suite 1200, Dallas, TX 75202**

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Introduction 1

This chapter gives you a brief overview of the ISCBatch program and shows you how to navigate through ISCBatch, giving you a quick start in analyzing the data you need.

In this chapter, you will learn to:

- Understand ISCBatch
- Understand who should use this manual
- Navigate ISCBatch

Understanding ISCBatch

U.S. Environmental Protection Agency (U.S. EPA) Region 6 developed ISCBatch under the Regional Air Impact Modeling Initiative (RAIMI) to meet the functional need of executing multiple ISCST3 air modeling runs in a single batch run.

Who Should Use This Manual

This manual is intended for air modelers experienced in executing the U.S. EPA ISCST3 air model.

Navigating ISCBatch

In this section, you will learn how to navigate ISCBatch's main components:

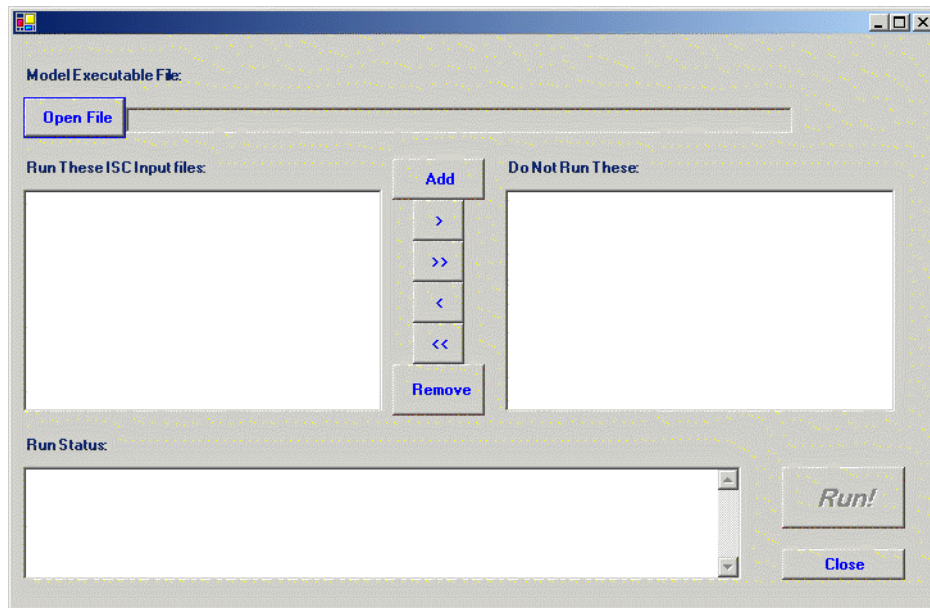
- The main window
- The menu bar

- The toolbar buttons

The Main Window

ISCBatch's window components follow the standard Windows features. For more information on standard Windows commands, see your MicroSoft Windows documentation.

The following figure shows the components of the ISCBatch main window.



The following table lists the components of the ISCBatch window.

Window Component	Description
Control Menu box	Displays the options: Move, Size, Minimize, Maximize, and Close
Minimize button	Minimizes the ISCBatch window.
Maximize/Restore button	Maximizes the ISCBatch window to occupy the entire screen or restores its pre-maximized size and position.
Close button	Closes ISCBatch.

Starting and Running ISCBatch 2

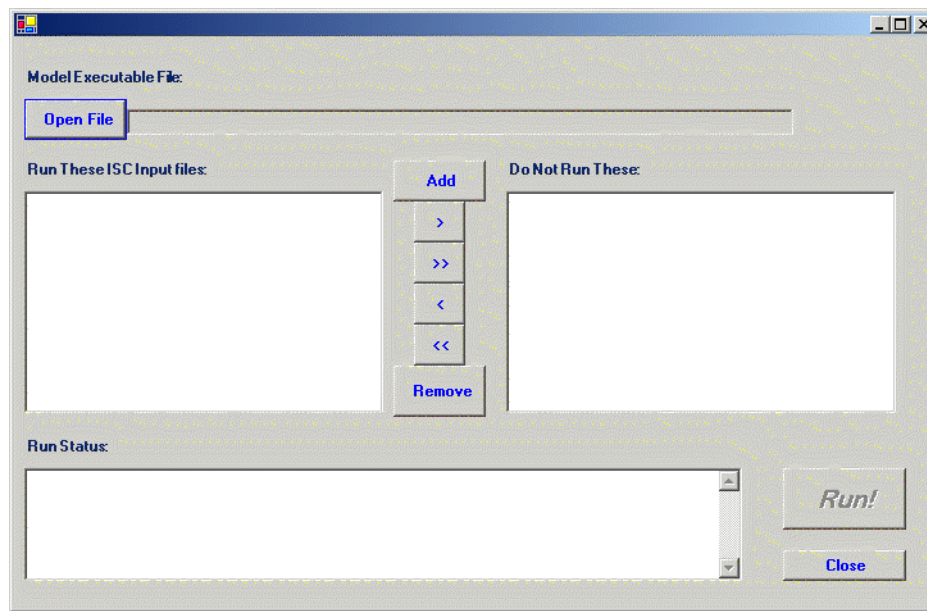
This chapter guides you through the basic steps for starting and running ISCBatch. In this chapter, you will learn to:

- Start ISCBatch
- Select ISCST3 input files to process
- Process files
- Verify output

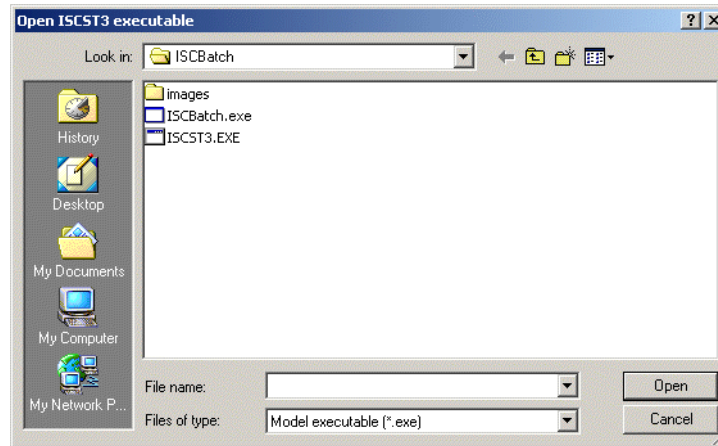
Starting ISCBatch

Perform the following steps to start ISCBatch.

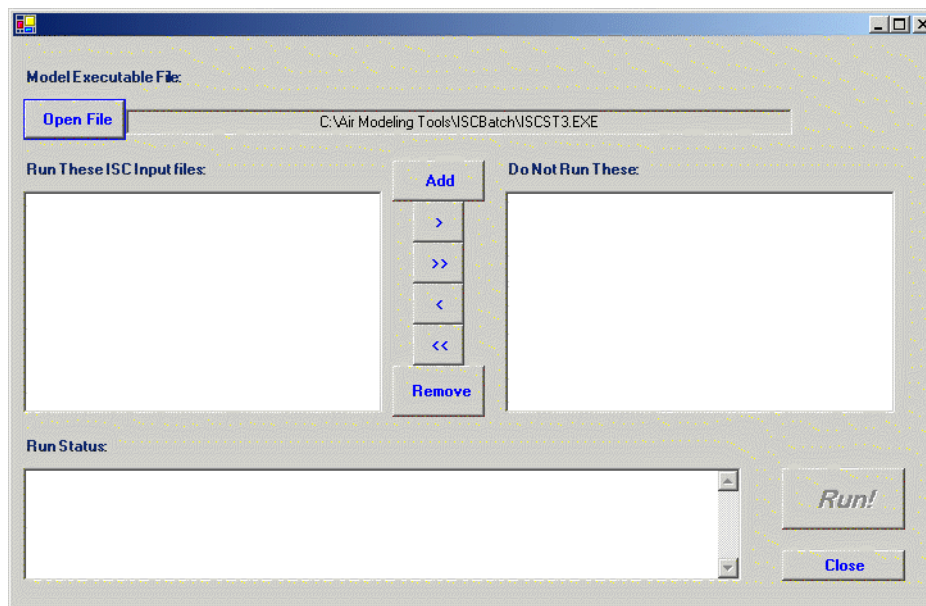
Step 1 Double-click on the **ISCBatch.exe** file. The ISCBatch main window appears.



- Step 2 Click on the Open File button to select the most recent version of the U.S. EPA ISCST3 executable file you will use to perform the air modeling. The Open ISCST3 Executable window appears.



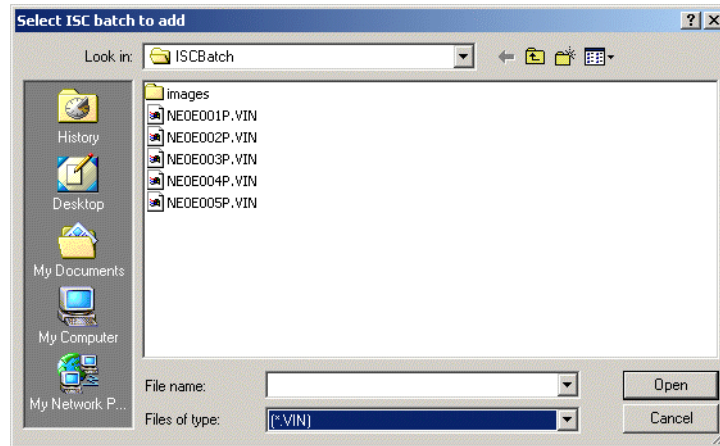
- Step 3 Browse to the directory where the ISCST3 file exists. Highlight the appropriate file name and click Open. The **ISCBatch** main window displays the file name in the Model Executable File field of the window.



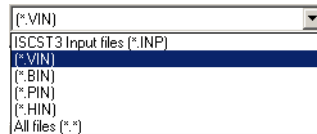
Selecting ISC Input Files to Process

To select the ISC input files, perform the following steps.

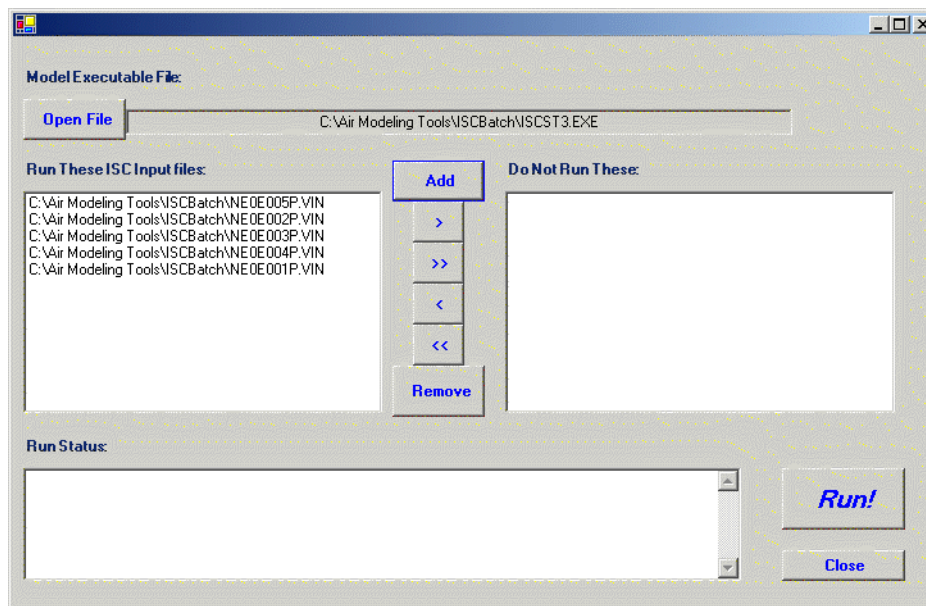
- Step 1 Click Add to add ISC Input files to your list. The Select ISCBatch to Add window appears.



- Step 2 Select the files that you want to process using ISCBatch.
- Step 3 You can change the type of file ISCBatch displays on this window from the Files of type pull-down menu.



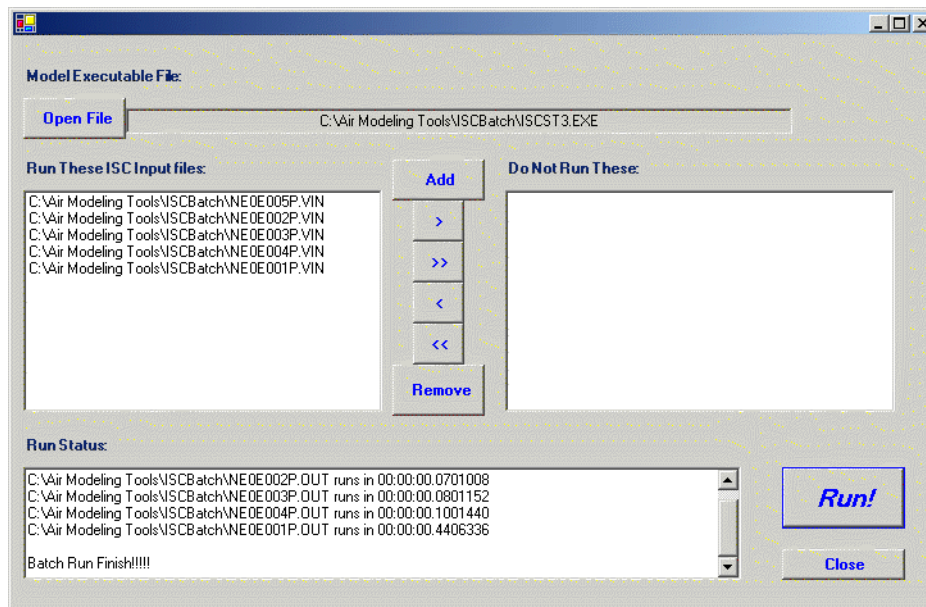
- Step 4 Once you select the files you want to add, click Open. The ISCBatch main window now includes the ISC Input files you wish to run.



Processing Files

To process the ISC input files, perform the following steps.

- Step 1 Click Run to execute ISCBatch using the ISC Input files you selected.
- Step 2 ISCBatch processes the data and displays the Run Status.



- Step 3 Click Close to close ISCBatch.

Verifying Output

To verify that ISCBatch generated the files, perform the following steps.

- Step 1 From Windows Explorer, navigate to your project folder.
- Step 2 Each ISCST3 run will produce one output file (.ou) and two plotfiles (.p1, .pa) for each phase it executes (vapor (v), particle (p), particle-bound (b), mercury (h)). Review the list of files to ensure you have the appropriate files. For example, if ISCST3 executed the vapor phase runs, it would generate the following files.

Extension	Description	Phase
.vou	Detailed output file of all model options, inputs and results.	vapor

Extension	Description	Phase
.vp1	Plotfile of one-hour average results.	vapor
.vpa	Plotfile of annual average results.	vapor

References 3

U.S. Environmental Protection Agency Office of Air Quality Planning and Standards Emissions, Monitoring, and Analysis Division, *Meteorological Processor for Regulatory Models User's Guide (MPRM) User's Guide*. Research Triangle Park, NC, August 1996.

