
10 Troubleshooting

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This chapter discusses how to troubleshoot problems when using the StateMod GUI.

To facilitate troubleshooting, the StateMod GUI creates a log file under the main installation directory (e.g., `\CDSS\StateModGUI-Version\logs\StateModGUI_USER.log`) containing status and warning messages from the run. This log file can be viewed using the **Tools...Diagnostics – View Log File** menu. A log file from StateMod is also created with a base name matching the response file that was last run. The log files can be viewed within the GUI with other StateMod output files (**View...Output Files**). Note that StateMod reuses the same log file name each time it is run so a log file may be overwritten as multiple reports are made.

The most common problems are software configuration (see the **Installation and Configuration Appendix**) and data errors (see **Chapter 6 – Running StateMod** for information about running a data check). Other problems should be reported to the CDSS developers at cdss@state.co.us. Checks have been implemented for common errors, but you may need to refer to the log file to determine the nature of a problem. Also see the **Release Notes** for software limitations.

In general, when running the StateMod GUI, warnings are displayed in dialogs and the log file. If the run has been successful, you will only see status messages in the files, with no warnings or errors. Status messages provide useful information, such as indicating the progress of a run.

Due to the complexity of the CDSS data and the needs of modelers, user and data, errors can occur for a number of reasons. The following table summarizes common errors and their fixes. **If modeling in the CDSS environment, you may need to verify HydroBase data using StateView and other CDSS tools.**

StateMod GUI Errors and Possible Solutions

| Error | Possible solutions |
|---|---|
| The GUI does not properly edit StateMod data. | The GUI software may not be consistent with the model. These issues are being evaluated in order to ensure consistency between the model and GUI. It is recommended that modelers use a data-centered approach using StateDMI and TSTool software to process model input files. |