# Current Bugs/Known Issues

**Date:** 11.30.14

## Config File

* **Type**: Known Issue
* **Severity**: LOW
* **Reason**: Non-invasive workaround
* **Workaround**: Only use config files created by the application or be careful when altering the files by hand.
* **Notes:**
  + Do not manually alter the order of the readable variables. If the variables are out of order, the simulation will compare values to the defaults resulting in potential errors.
    - *Needs more advanced input validation. Would want to be loaded to an array and then reviewed before loading simulation.*
    - *Give a prompt that some values were not found or that some values were not valid and ask the user if they would like to continue with default values or exit adjust their config file.*
    - *Config files created by the application conform to the correct order needed for the simulation to run properly.*
  + Keep the spacing in between the variable name, the equal sign, and the value
    - *This would need more advanced input validation to do a regex on the equal sign, then remove the next whitespace if there or add the whitespace*
  + Do not add newlines between comment lines and/or variable names.
    - *Would need to add another check to ignore on only newline*

## DateTime

* **Type**: Known Issue
* **Severity**: LOW
* **Reason**: Programming workaround; should not affect end user for purposes of the beta
* **Workaround**: Had issues implementing a true DateTime stamp using time.h for file names to sync. Generates a random number between 0 and 90000 instead. Has a n:90000 chance of affecting the user, where n is the number of times the simulation is run by the user before clearing out the log and statistics files.

## Compile Warnings

* **Type**: Compile Warnings
* **Severity**: LOW
* **Reason**: Unsgined integer mismatch, division by integer.
* **Description:** Should not interfere with program operation.