

Below is a description of the files to help use the program. More detailed instructions, tutorials, and videos are on <https://www.nevergray.biz/next-out>.

File Name	Description
Next-Out.exe	This is the main program.
Next-Out Visio Instructions.vsdX	This sample Visio file explains using the Stencil and building a Visio Template file. The file works with the inferno files included with SES 4.1 and 6.0.
Next-Out Stencils.vssx	Visio stencils to create templates. See demonstration file for use.
Next-Out Excel Data Structure.xlsx	This document explains the data that Next-Sim extracts and calculates from SES output files.
License.txt	Software license agreement

VERSION LOG

VERSION 2.3

Features

1. Parser is faster with large output files

Bug fixes

1. Fix issue with abbreviated prints spanning the SES 4.1 page breaks for sub-segments 9 and higher.

VERSION 2.2 UPDATES FROM 2.1

Features

1. Run summary, average, and compare analyses faster when using H5 files
2. Improved stability and monitor updating when simultaneously processing multiple files

Debug

1. Fix incorrect file paths when processing H5 files moved from their original directories.

VERSION 2.1 UPDATES FROM 2.0

New Features

1. Summary file now includes sub-segment information (thermal data) and train positions
2. Checks that Excel and Visio files can be written before processing files.

Debug

1. Perform SES simulations with restart files in the same directory as the input file.
2. Routes no longer create an empty “*.out” file
3. Progress bar task updated accurately

4. Reduce crashes when closing the monitor after processing multiple files.

VERSION 2.0 UPDATES FROM 1.4.B

1. Data captured from abbreviated prints
2. Summary file
3. H5 File format for easier and faster post-processing with Next-Out or Python
4. Updated monitor with progress bar and error reporting
5. Faster post-processing
6. Source code reorganized for easier open-source participation

VERSION 1.4.B UPDATES FROM 1.3.1

See “Supplementary Train Data Calculation Explanation.docx” for explanation.

VERSION 1.3.1 UPDATES FROM 1.3

1. Fixed train bug when creating Visio diagrams in v1.3
2. Fix Form 4 issues with no fire or Fire Simulation option equal zero
3. Enable better compiling on all computers by removing hard-coded directories. Let's all work together better!

VERSION 1.3 UPDATES FROM 1.2

Section Pressure Changes from supplemental outputs worksheets are added to Route Data. Contributed by Khyati Paghdar.

VERSION 1.2 UPDATES FROM 1.1

1. Extracts Section Pressure Changes from supplemental outputs to a new Worksheet “SSP”. Contributed by Khyati Paghdar.

Bug Fix: “Compare two outputs” works again.

VERSION 1.1 UPDATES FROM 1.0

1. **Visio Stencil Updates:**
 - a. Air Velocity: Stencil is updated to orange to differentiate it from airflow.
 - b. Damper: Closed dampers use red and black lines instead of only black lines. The program (NO_visio_settings.py) has been updated.
2. **NO File:** Creates a Next-Out file which is the output data parsed from an output file. This enables faster Visio processing by using NO Files instead of parsing output files.
3. **Staggered Headways Mean, Max, Min:** Enabling parallel processing speeds up analyses. NO files are read faster than one processor parsing each output file into memory.

Found bug: “Compare two outputs” stopped working with NO File update.