Read Me: AS Simulator for GIT

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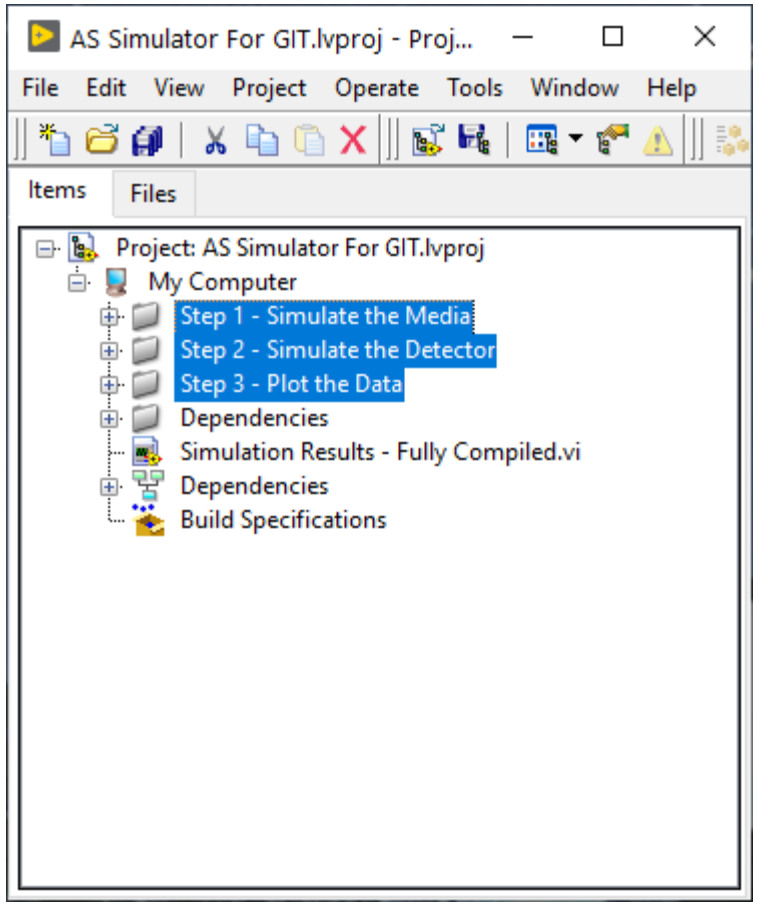
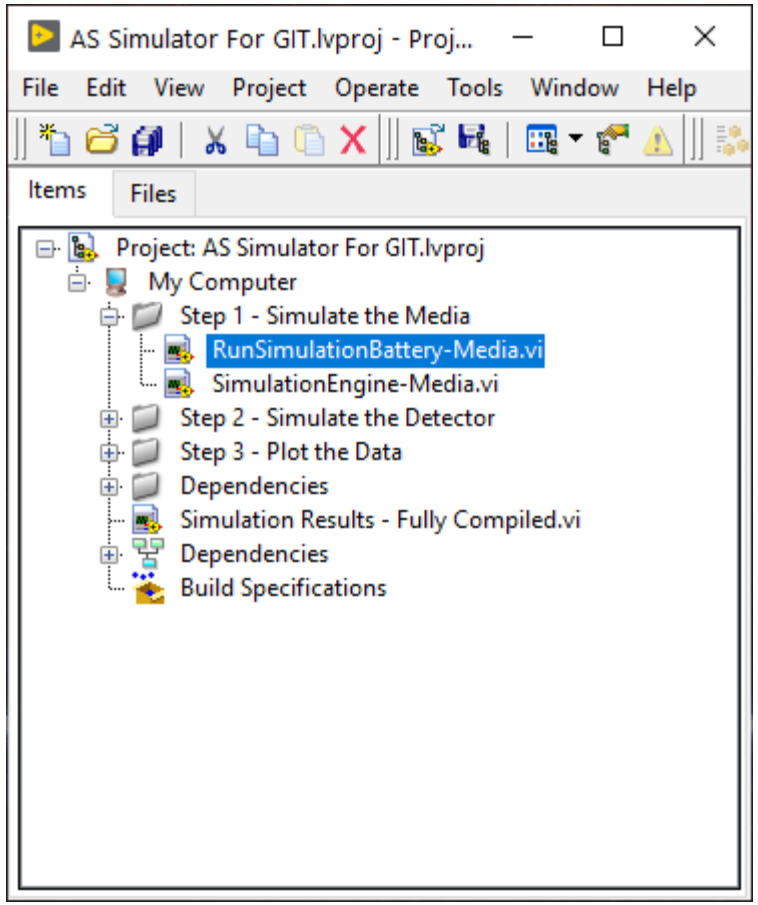
The Project

- Start by opening the project file
  - “AS Simulator for GIT.lvproj”
- There are three steps you will need to perform to use this system
  1. Simulate the Media
  2. Simulate the Detector
  3. Plot the Data



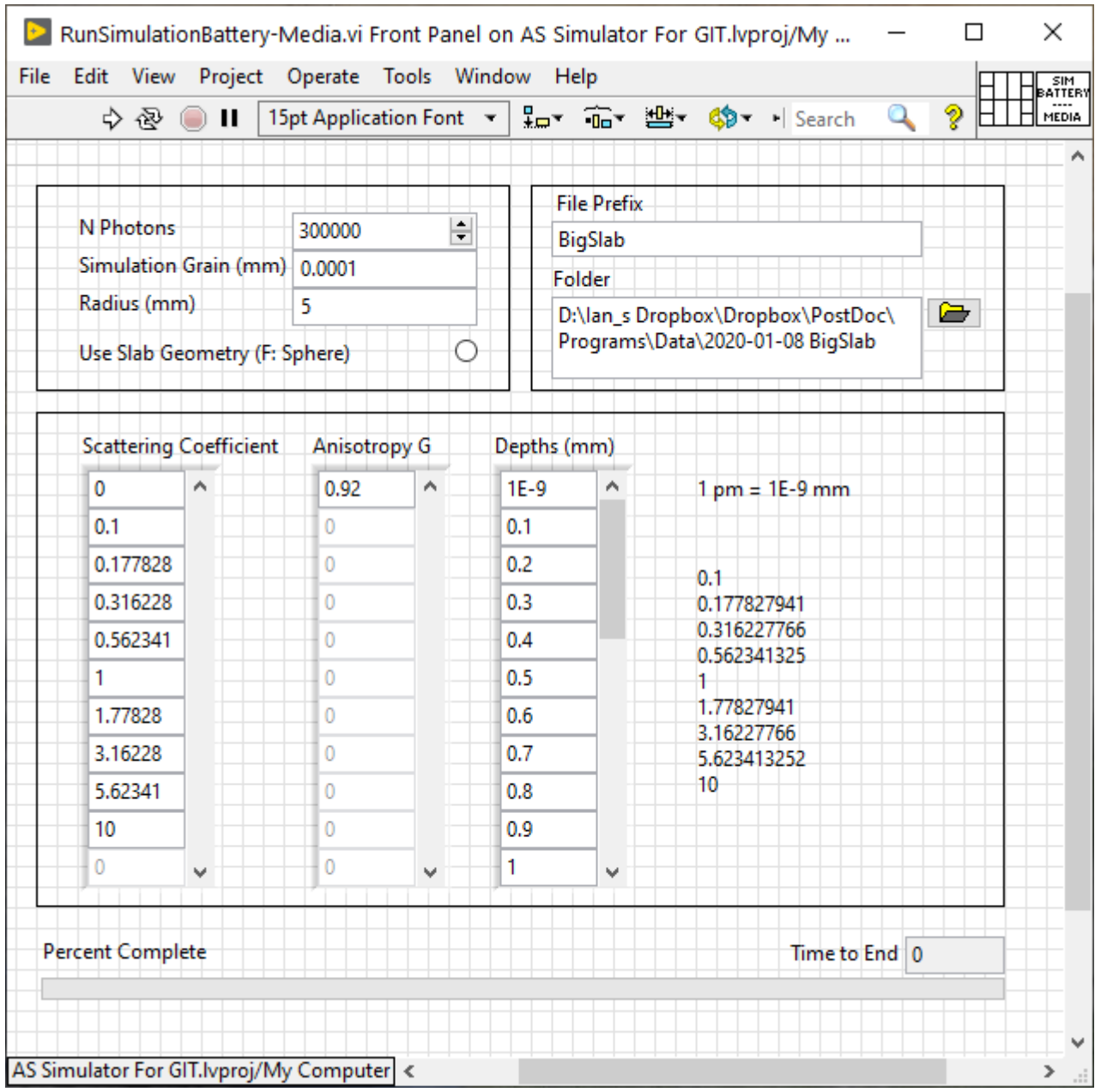
Step 1: Simulate the Media

- In this virtual folder are two Vis
  - The thing to run: “RunSimulationBattery-Media.vi”
  - The primary subVI: “SimulationEngine-Media.vi”



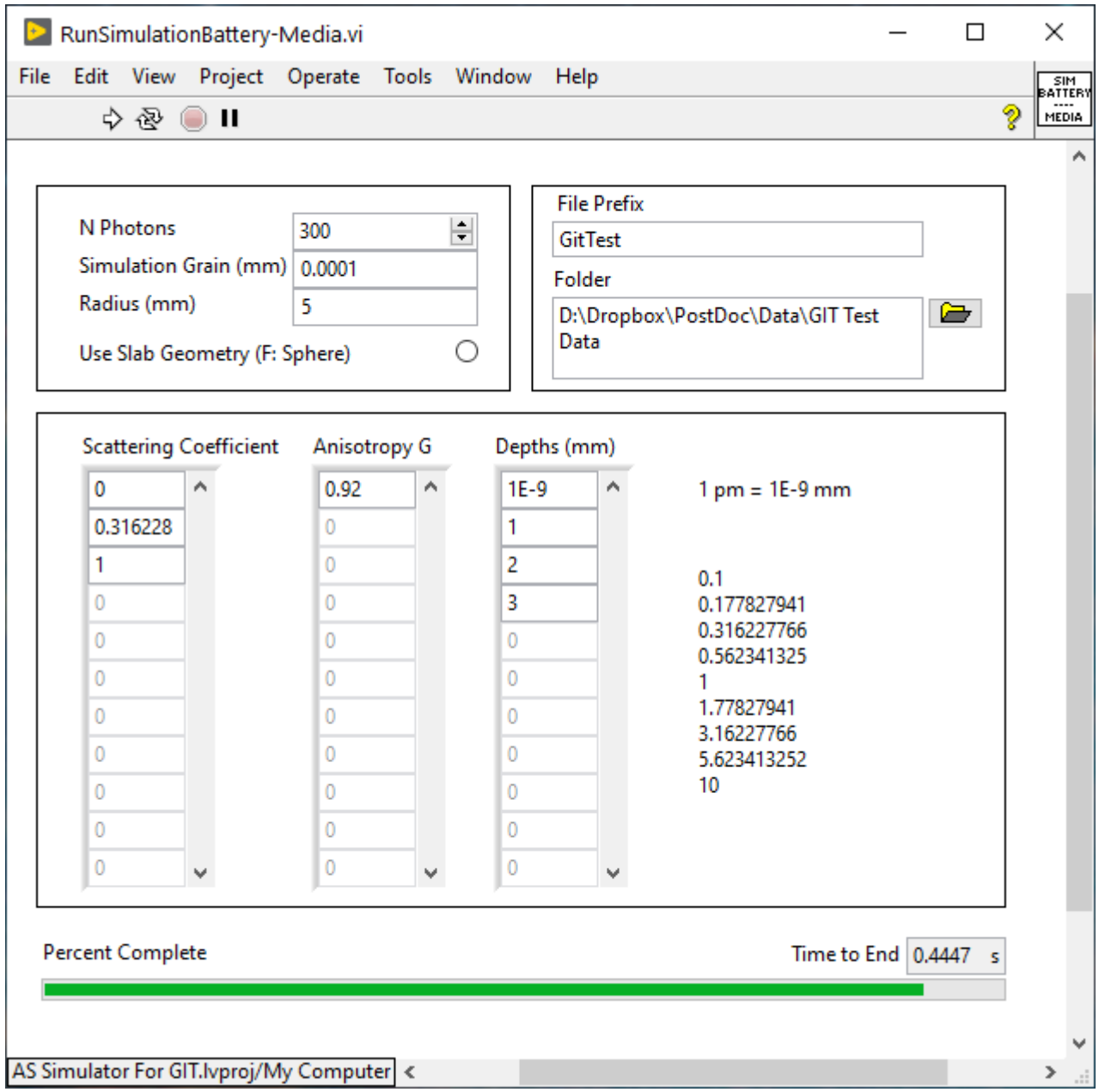
Step 1: Simulate the Media

- Input the conditions for the simulation
- Then run (ctrl-R)



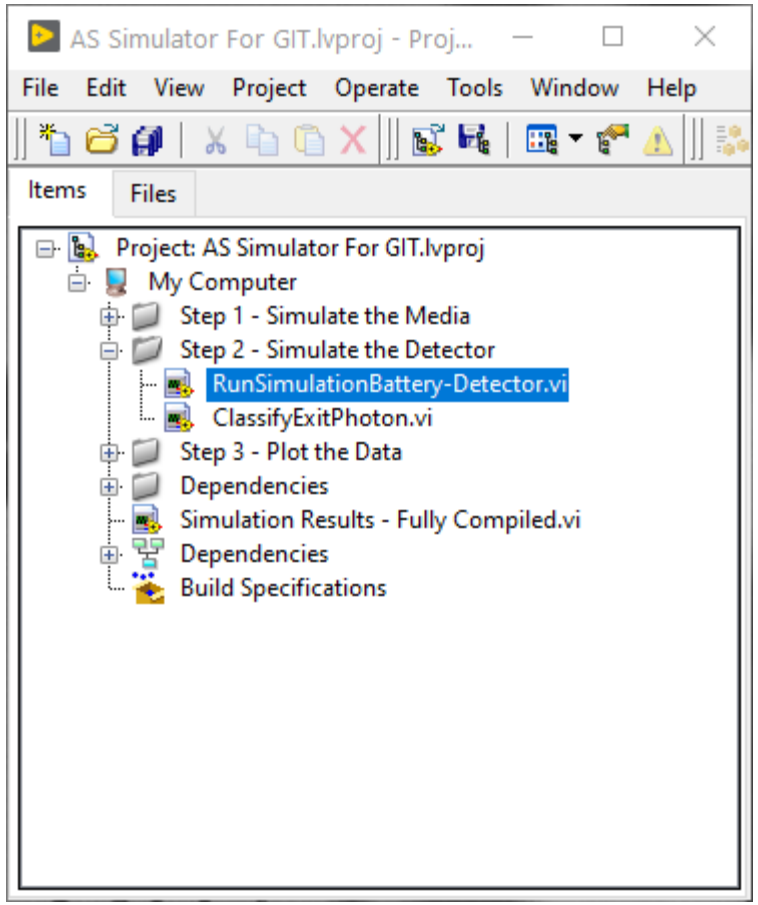
Step 1: Simulate the Media

- In this example only a small amount of parameter space is explored



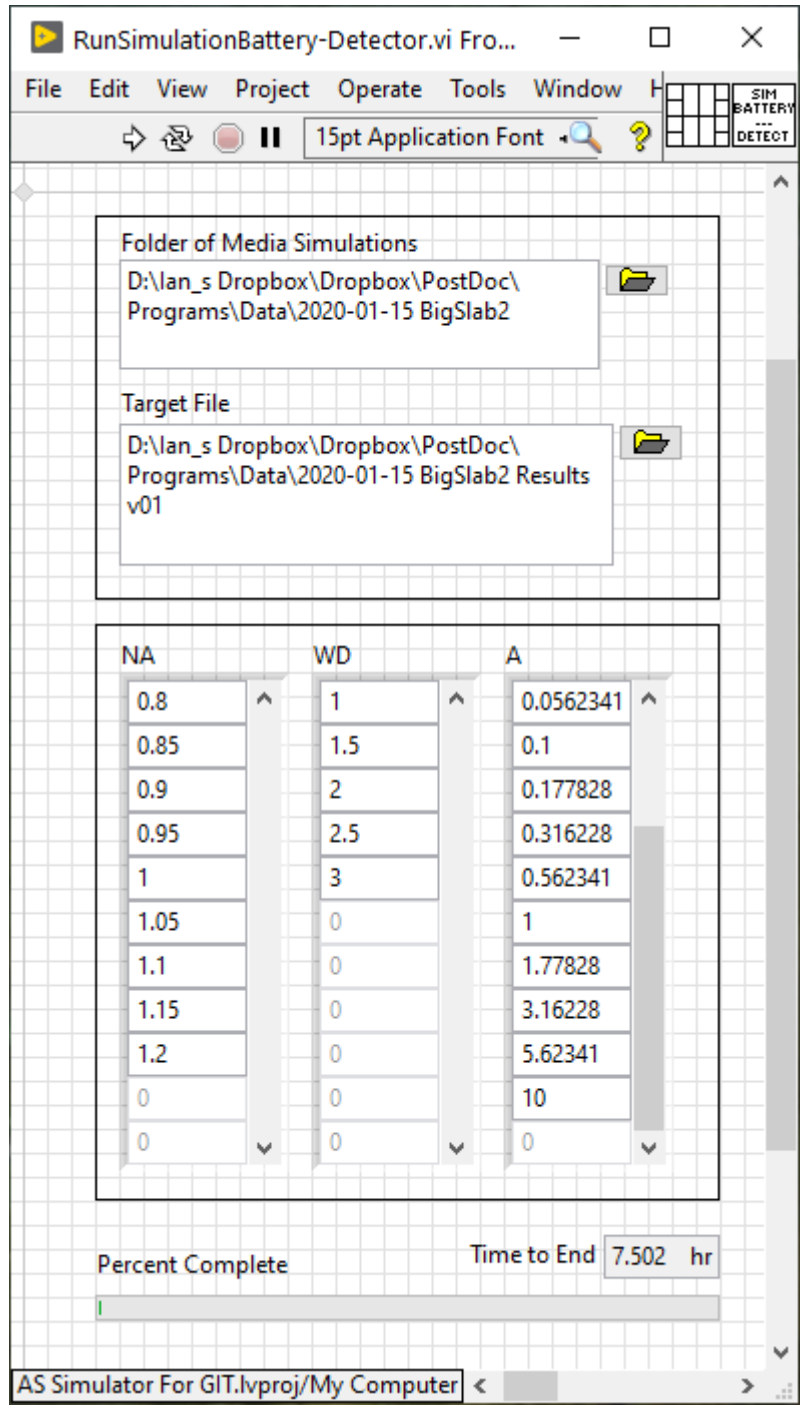
Step 2: Simulate the Detector

- In this virtual folder are two Vis
  - The thing to run: “RunSimulationBattery-Detector.vi”
  - The primary subVI: “ClassifyExitPhoton.vi”



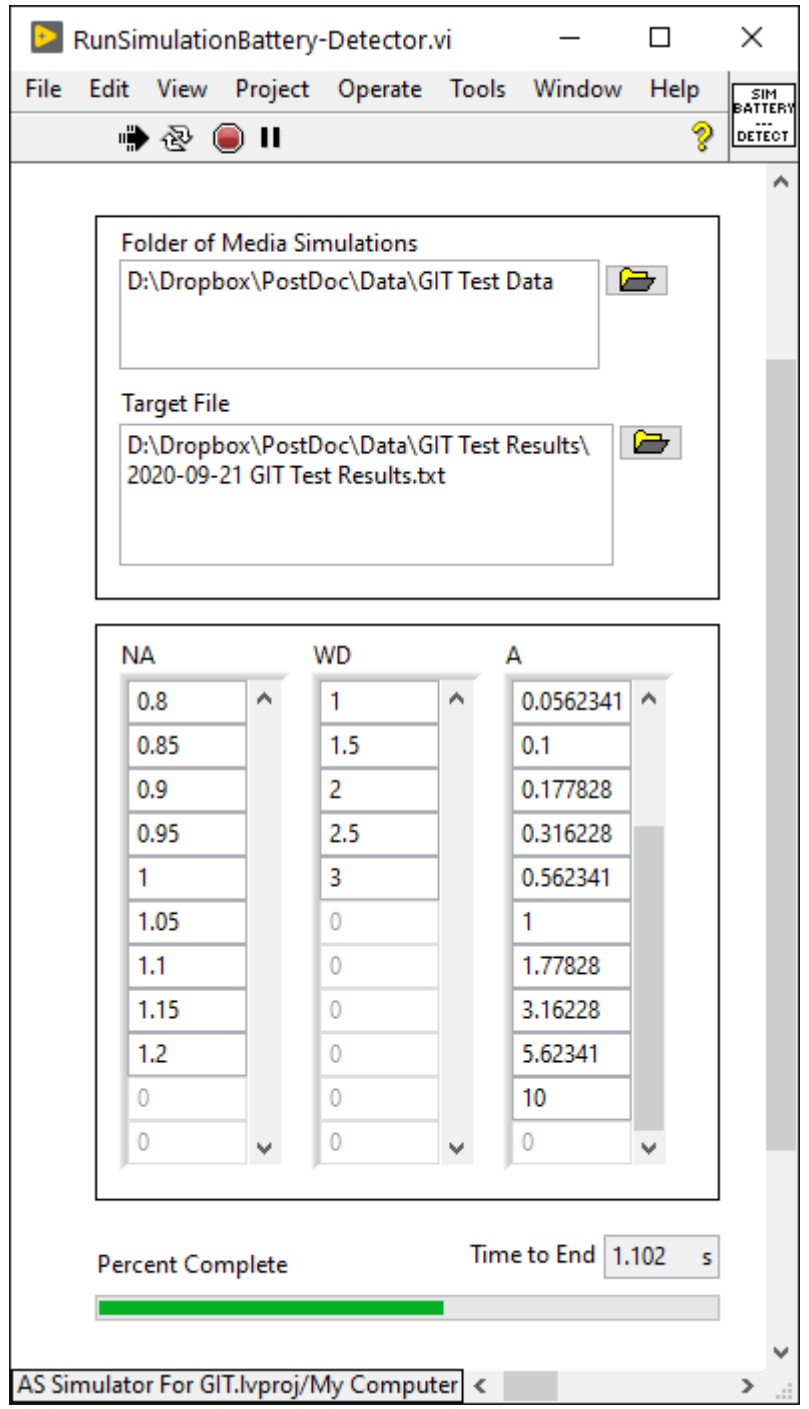
Step 2: Simulate the Detector

- Input the conditions for the simulation
- Then run (ctrl-R)



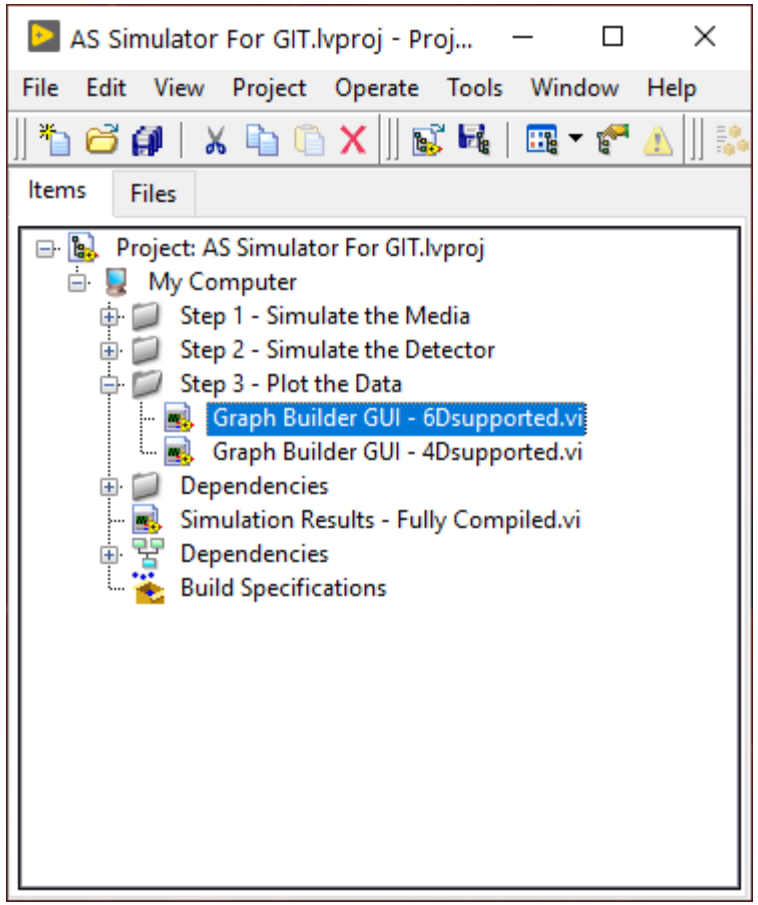
Step 2: Simulate the Detector

- In this example only a wide parameter space is explored quickly because the data produced was so limited



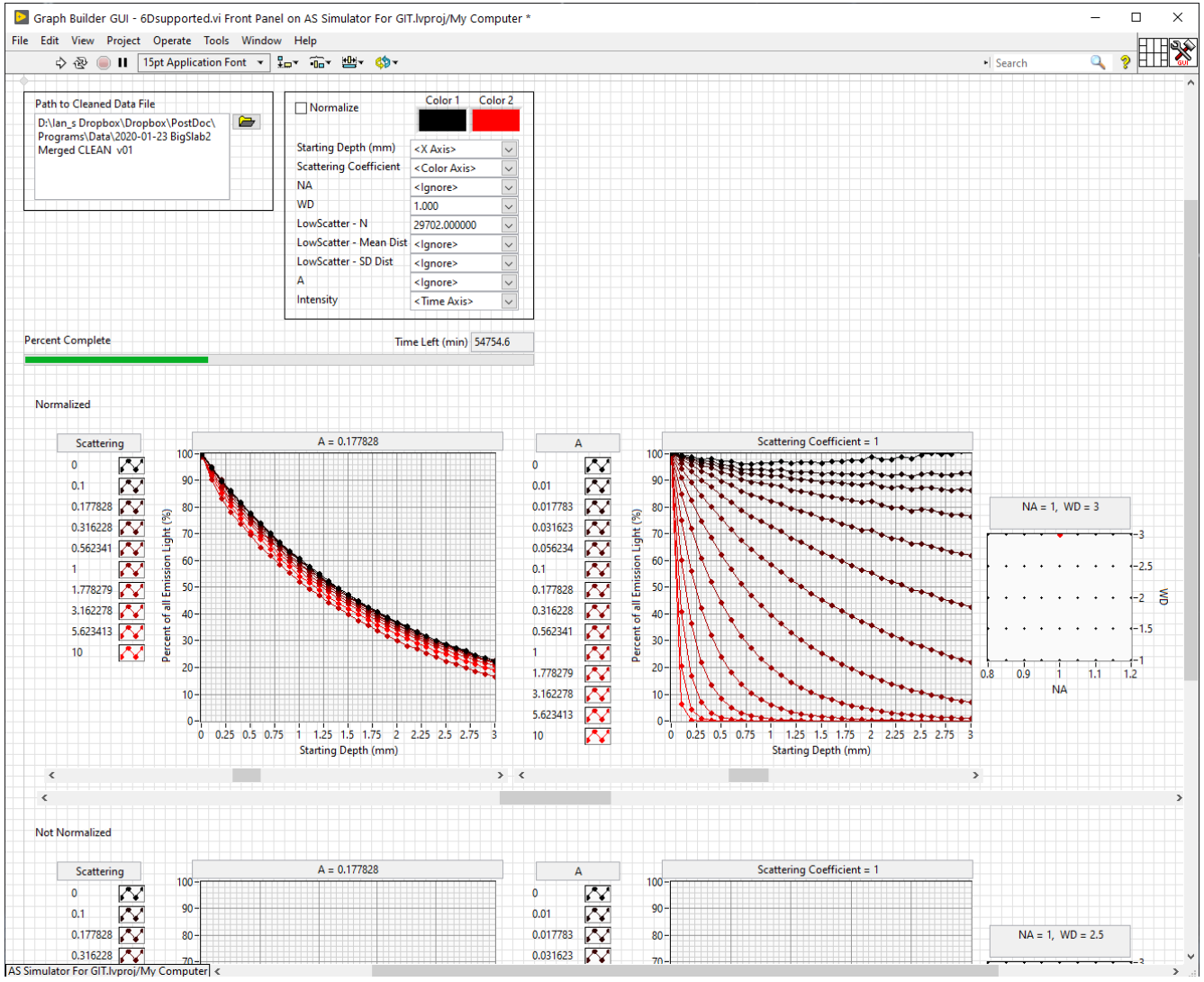
Step 3: Plot the Data

- In this virtual folder are two Vis
  - Explore all microscope objectives: “GraphBuilderGUI – 6Dsupported.vi”
  - Explore a single microscope objective: “GraphBuilderGUI – 4Dsupported.vi”



Step 3: Plot the Data

- Select the axes to view, then scroll to explore the data



Simulation Results - Fully Compiled.vi Front Panel on AS Simulator For GIT.lvproj/My Computer

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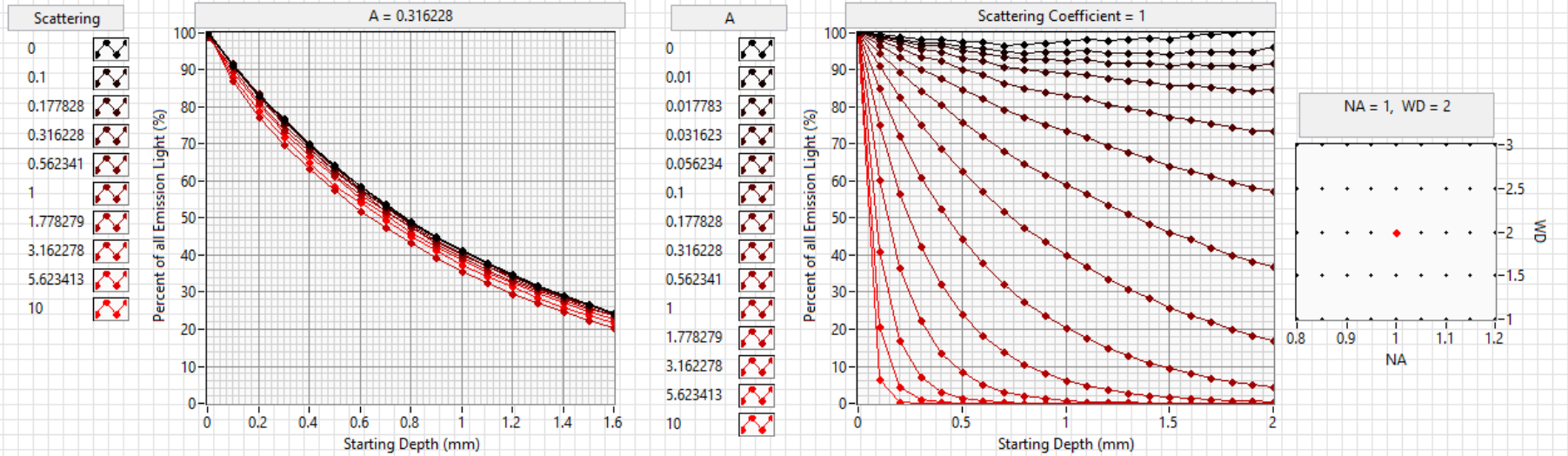
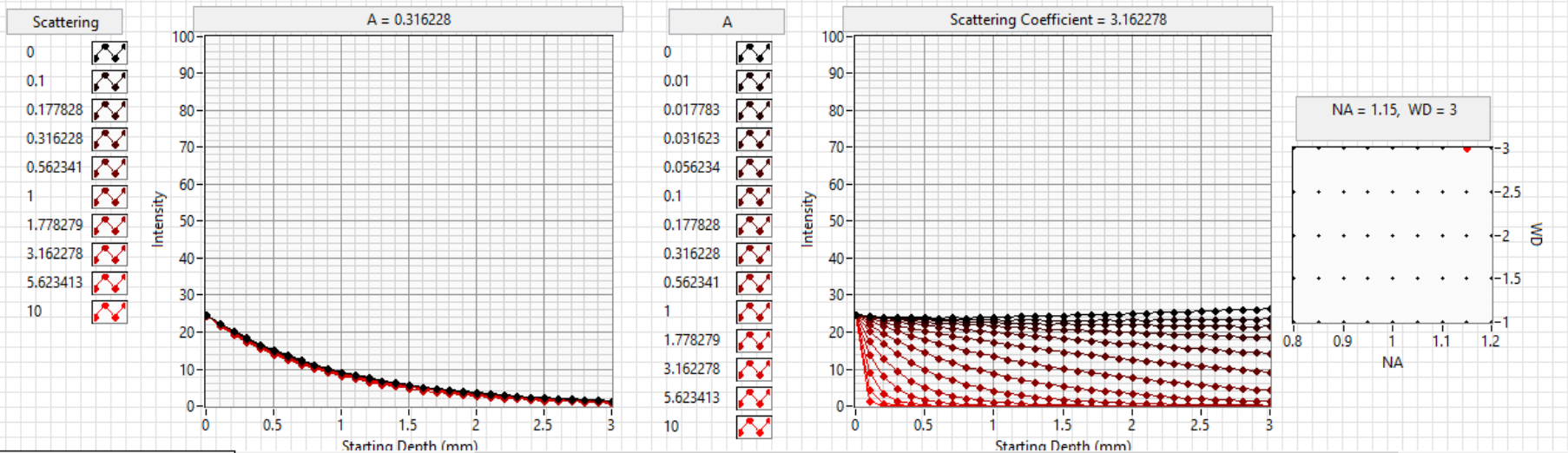
Normalized



Not Normalized



AS Simulator For GIT.lvproj/My Computer