1. Create MSPT case and save files for script
   1. Open and run default MSPT
   2. Shift + F5 and save files.
      1. This operation will copy SAM’s ssc.dll to the folder. The SDKtool needs to point to this dll. You can either use the one in this folder, the one in the SAM x64 folder, or a custom build.
2. Confirm nominal LK script results in SDKtool
   1. Open the SDKtool.exe that is located in the same folder as SAM.exe.
   2. In the Module Browser tab in the SKDtool, select “Choose SSC library” and link to your dll.
   3. In the Script Editor tab, select “open” and find the LK script you saved in Step 1.
   4. Select “Run”. Confirm that this file runs and generates the results consistent with your SAM file.
3. Create files for the field efficiency and field flux maps. You can find this information from either SAM or SDKtool simulation results, but I think the SAM results are easier to handle manually.
   1. Flux maps:
      1. In SAM, after the simulation is complete, go to Simulation Results -> Data tables -> Matrix Data. Then select ‘Flux map for import’.
      2. Click and drag to copy the data from the table
      3. Paste into Excel
      4. Delete the first two columns (Azimuth Angle and Zenith Angle)
      5. Save the remaining data as a csv in the folder containing the LK script and other files from Step 1. In the default MSPT case, this file should have 20 columns. In this example, we name the file “flux\_maps\_for\_import.csv”.
   2. Efficiency maps:
      1. In SAM, after the simulation is complete, go to Simulation Results -> Data tables -> Matrix Data. Then select ‘Flux map for import’.
      2. Click and drag to copy the data from the table
      3. Paste into Excel
      4. Save the remaining data as a csv in the folder containing the LK script and other files from Step 1. In the default MSPT case, this file should have 20 columns. In this example, we name the file “eta\_map\_for\_import.csv”.
4. Modify LK script to use saved maps instead of re-running SolarPILOT pre-process each simulation.
   1. Find the line *var(‘field\_model\_type’, 2);* and change it to *var(‘field\_model\_type’,* ***3****);*. This integer tells the system model to look for efficiency and flux map files instead of running SolarPILOT.
   2. Add the line var( 'eta\_map', csvread('eta\_map\_for\_import.csv'));
   3. Add the line var( 'flux\_maps', csvread('flux\_maps\_for\_import.csv'));
   4. Add the line var( 'eta\_map\_aod\_format', 0);
5. Run modified script and verify results match SAM