The Skyentists: Testing Task List

1. Begin the calibration process, navigate to “Select Config File” page to select a valid configuration file of type “.cfg”
2. The wrong configuration file may have been selected, so return to the opening screen
3. Navigate to the “Select Plant Functional Type” page and choose a PFT that is not the default
4. On the “Smooth GPP Outliers” page, change the Window Type to “blackman” and smooth the data
5. Now on the same page, set the Window Size to 0.4 to smooth the data
6. Navigate to the “Smooth RECO Outliers” page and smooth RECO by changing Window Type to “bartlett” and Window Size to 12.7
7. View all the ramp functions (3) on the “GPP Ramp Functions” page
8. Display the optional graph of GPP vs. Emult
9. Travel to the “Choose GPP Optimization Parameters” page and display additional information on the GPP parameters
10. Re-display the GPP ramp functions and then return to choose what parameters to optimize
11. Begin the RECO optimization process by entering or sliding values of 0.75 for Prh and 0.5 for Pk
12. View all the ramp functions (2) on the “RECO Ramp Functions” page
13. Display the graph of Estimated SOC vs. Calculated SOC
14. Specify the number of Numerical Spin-Up iterations on the “Numerical Spin-Up Iterations” page
15. Select another PFT to go through the process again
16. GPP and RECO optimization has been completed, exit the program