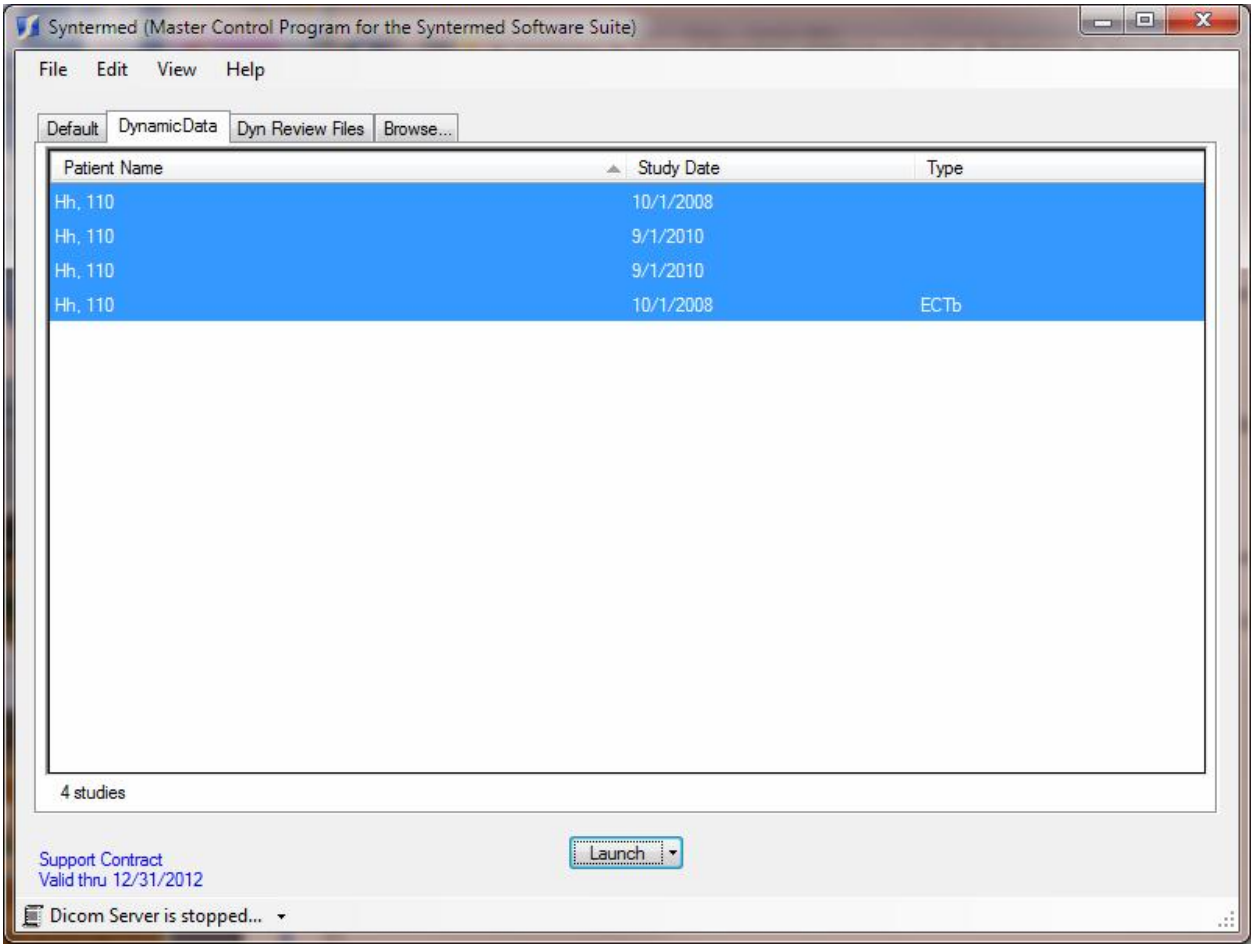
FlowTool User Manual

1. Data collection

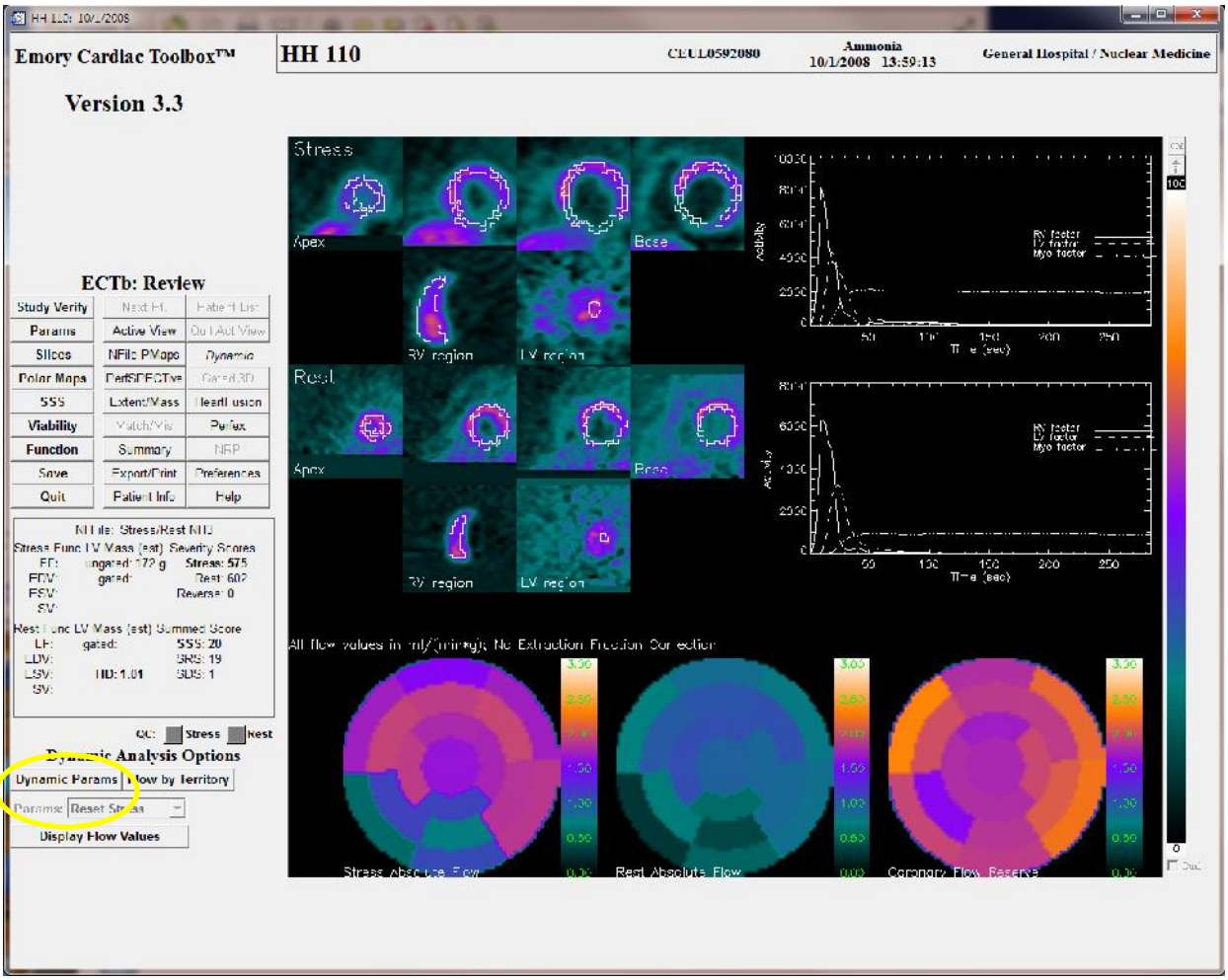
Frames	Duration
20	3 sec
5	12 sec
6	30 sec

Start acquisition at the **start** of tracer infusion.

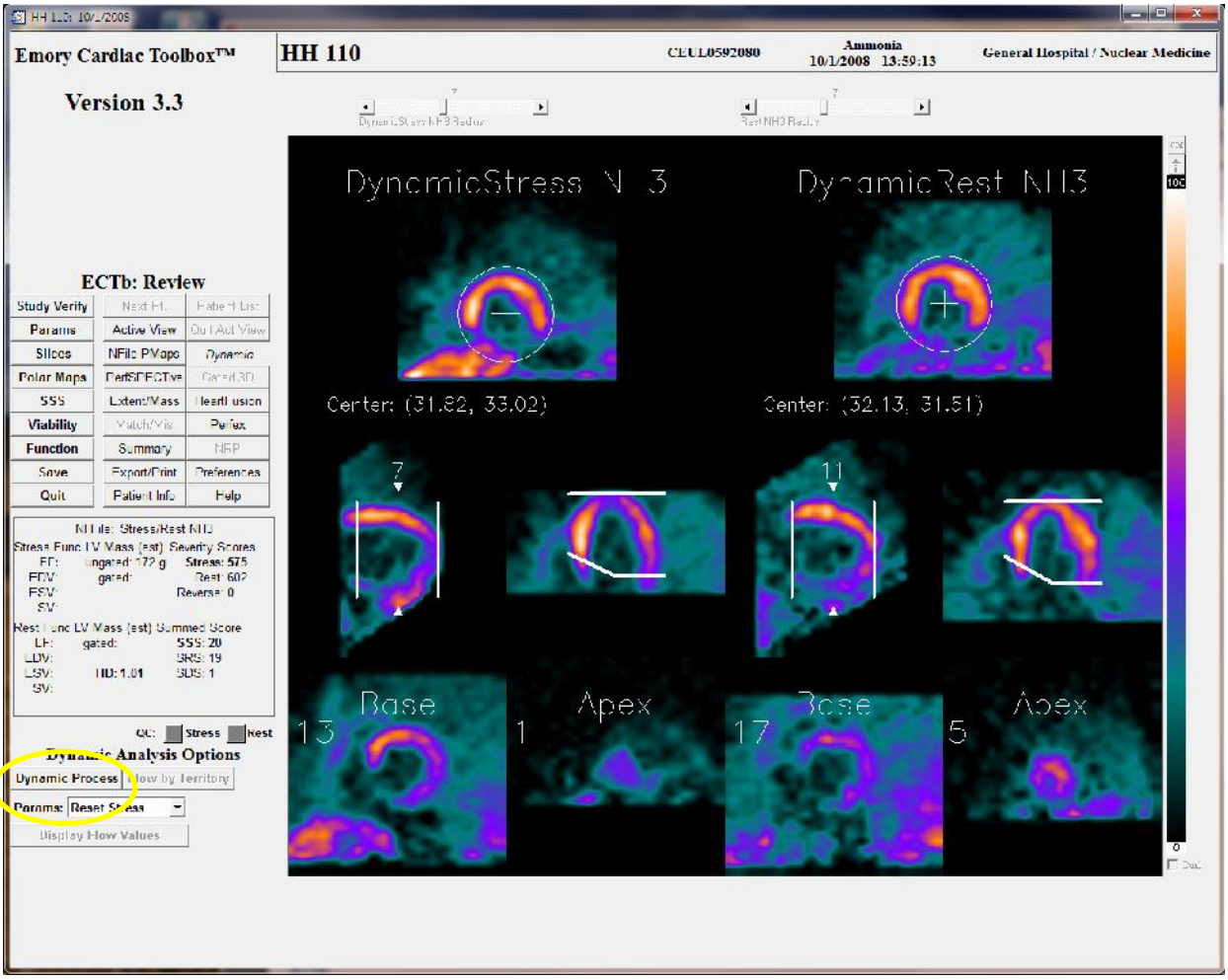
2. Reconstruct images and reformat into short axis orientation.
    a. Apply all available corrections (normalization, randoms, scatter, prompt gamma (Siemens) or cascade gamma (GE), and attenuation)
    b. Reconstruction filter: 7 mm Gaussian or equivalent. Final resolution of Rb phantom images should be approximately 14 mm.
3. Transfer rest and stress images to Syntermed live
4. Select “Dynamic Data” tab and then the rest and stress static and dynamic patient files and then launch



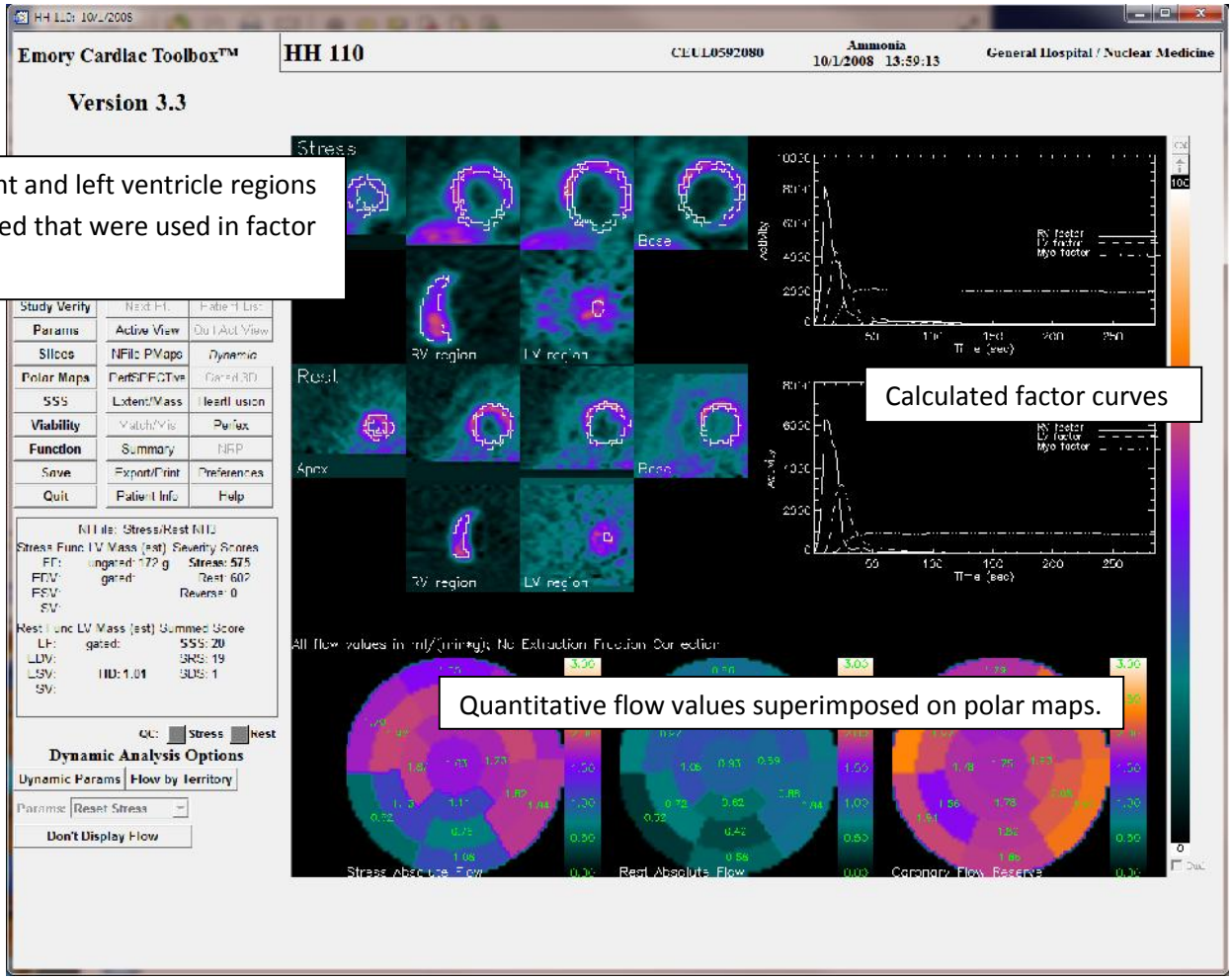
5. Click “Dynamic Parms” button and adjust base and apex slices if necessary.



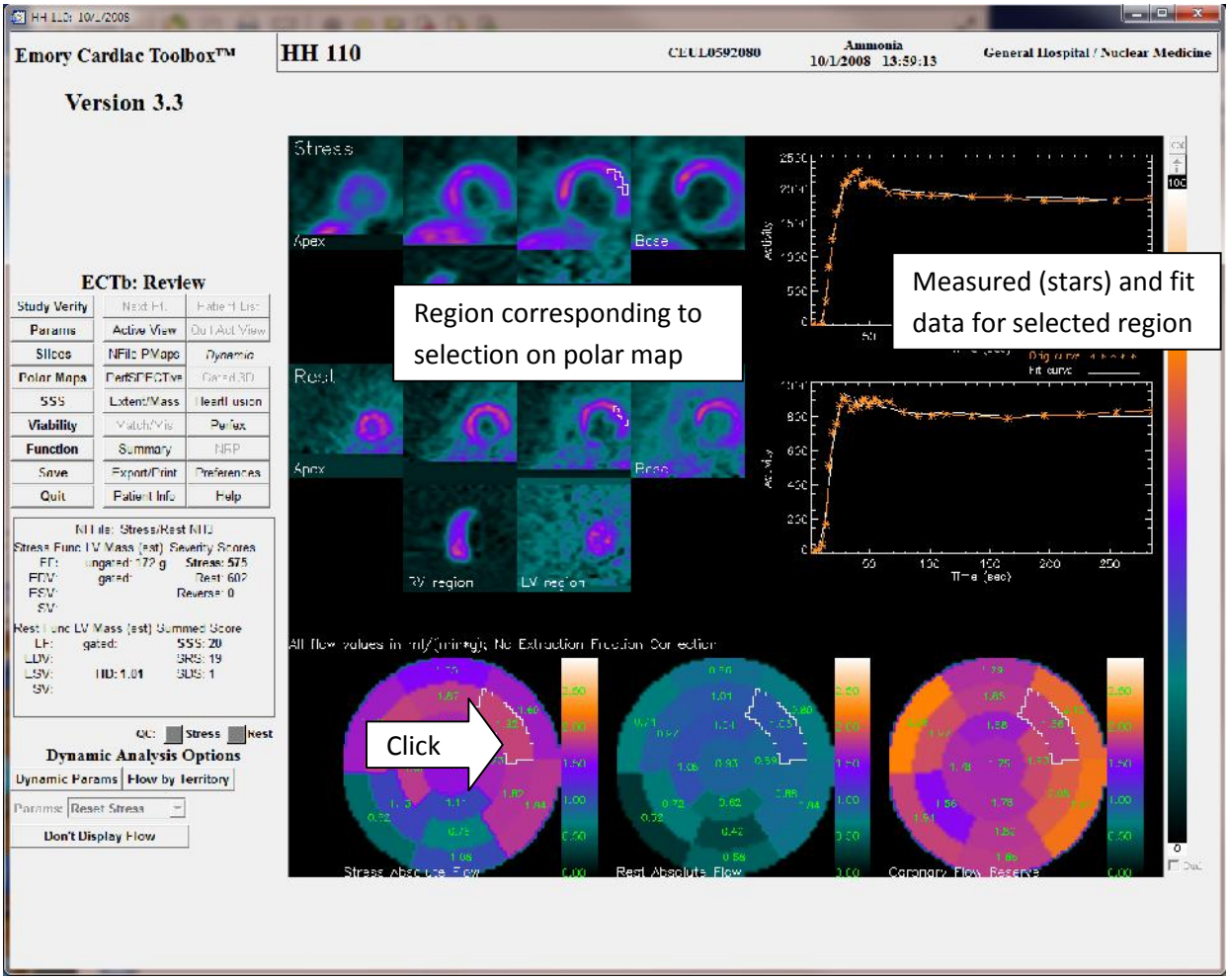
6. Click the “Dynamic Process” button to perform the flow calculations.



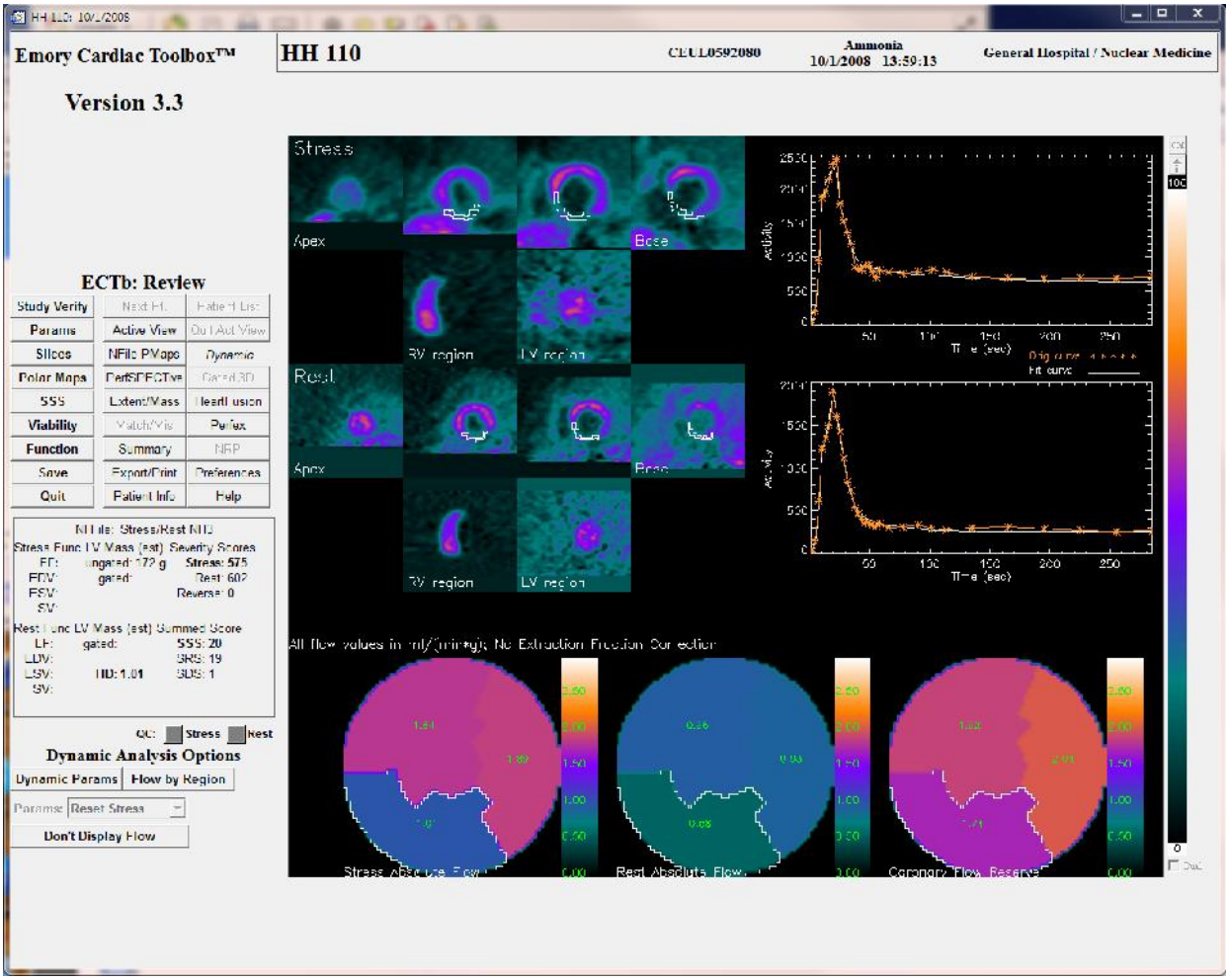
7. The following page is displayed. Click “Display Flow Values” button to see quantitative results.



8. Click on a polar map region to see specific time activity curves.



9. Click “Flow by Territory” button to see coronary artery territories.



10. Default values are flow*extraction. To display flow values, change the value on the PET Preferences page: