SLIM-Curve testing in TRI2 P. Barber, 20/10/2011, Version 2

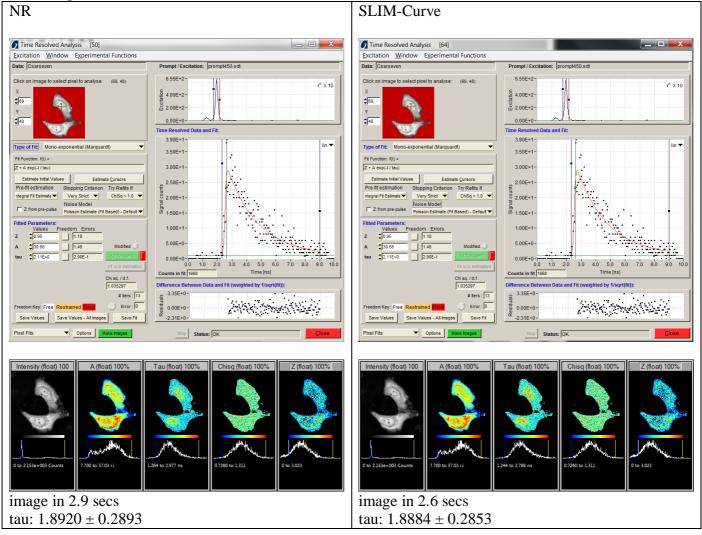
Testing TRI2 the old NR based libraries against the new SLIM-Curve library converted by LOCI.

TRI2 version 2.5.3.1 FI_port (free image port) SLIM-Curve (http://dev.loci.wisc.edu/svn/software/trunk/projects/slim-curve, rev. 7794), in version 2.6.1.1

** = obvious significant difference found between the methods

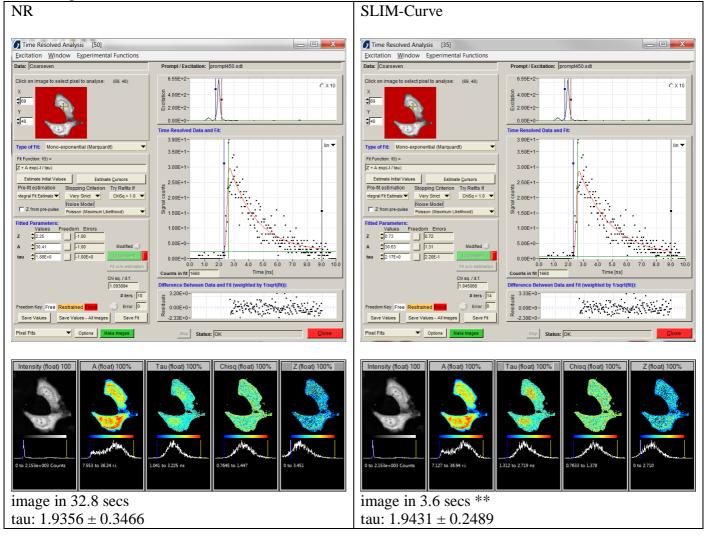
Test1: Csarseven.ics

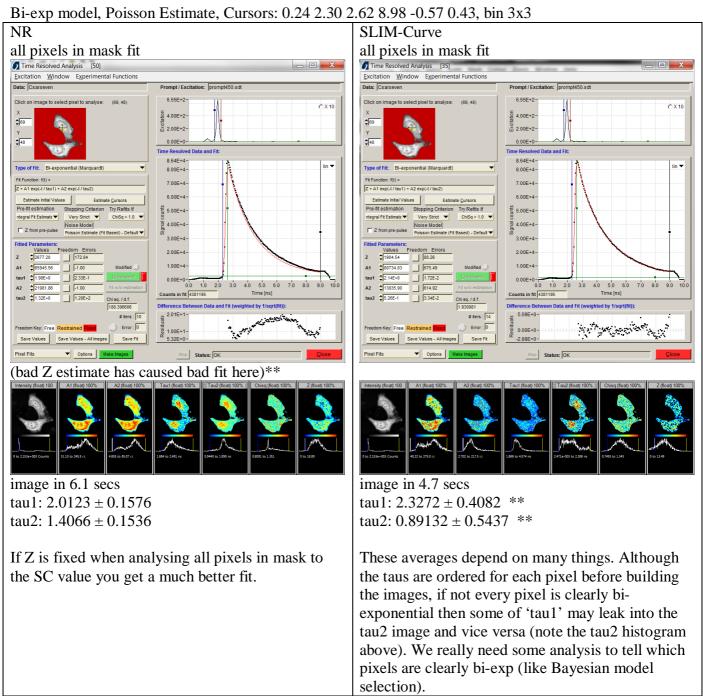
Mono-exp model, Poisson Estimate, Cursors: 0.24 2.30 2.62 8.98 -0.57 0.43, bin 1x1



Test2: Csarseven.ics

Mono-exp model, Maximum likelihood, Cursors: 0.24 2.30 2.62 8.98 -0.57 0.43, bin 1x1

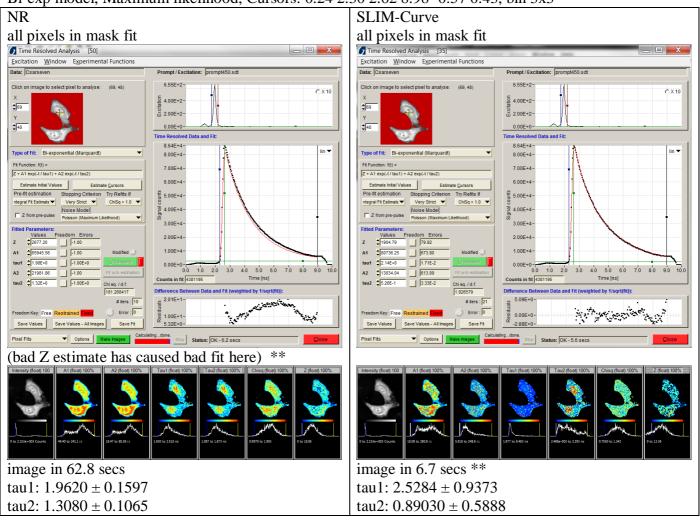




Test3: Csarseven.ics

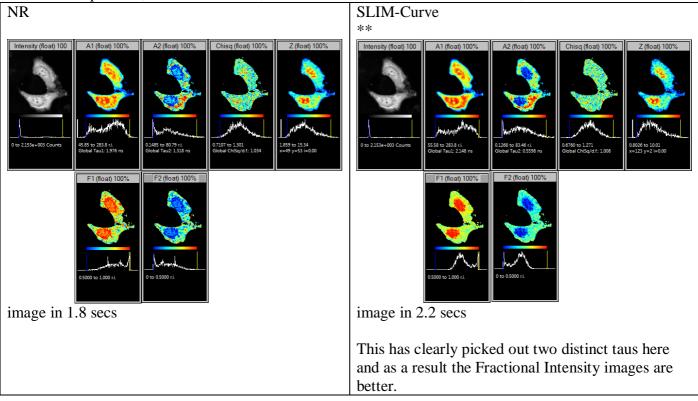
Test4: Csarseven.ics

Bi-exp model, Maximum likelihood, Cursors: 0.24 2.30 2.62 8.98 -0.57 0.43, bin 3x3



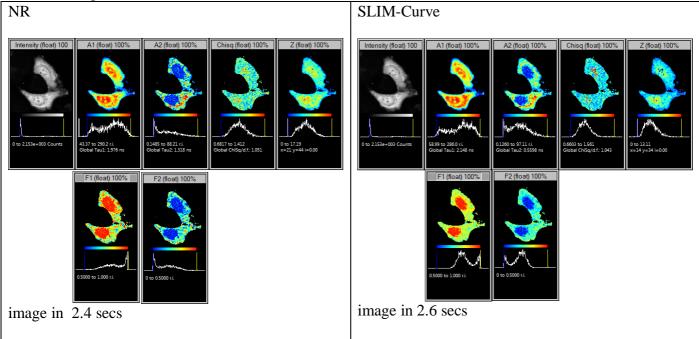
Test5: Csarseven.ics

Global Bi-exp model, Poisson Estimate, Cursors: 0.24 2.30 2.62 8.98 -0.54 0.43, bin 3x3



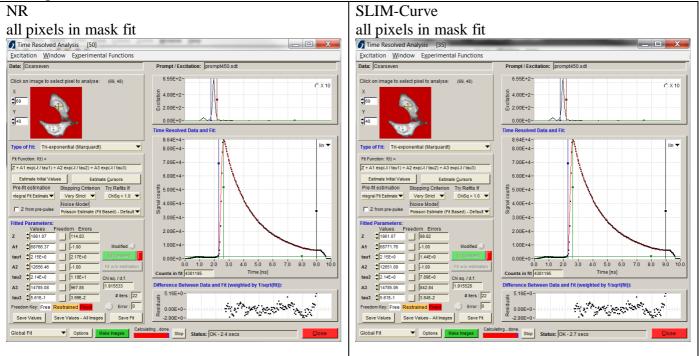
Test6: Csarseven.ics

Global Bi-exp model, Maximum likelihood, Cursors: 0.24 2.30 2.62 8.98 -0.54 0.43, bin 3x3



Test7: Csarseven.ics

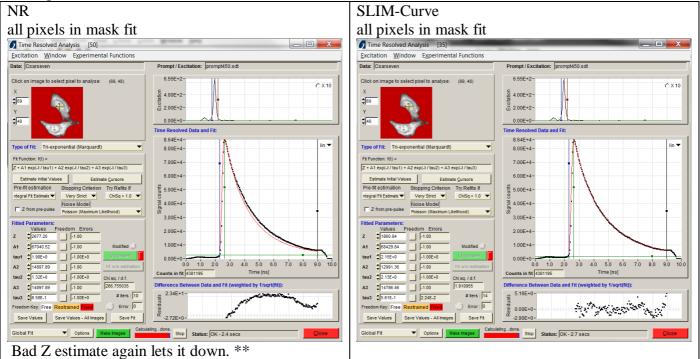
Tri-exp model, Poisson Estimate, Cursors: 0.24 2.30 2.62 8.98 -0.54 0.43, bin 11x11



Data is not really tri-exp so to continue is kind of meaningless.

Test8: Csarseven.ics

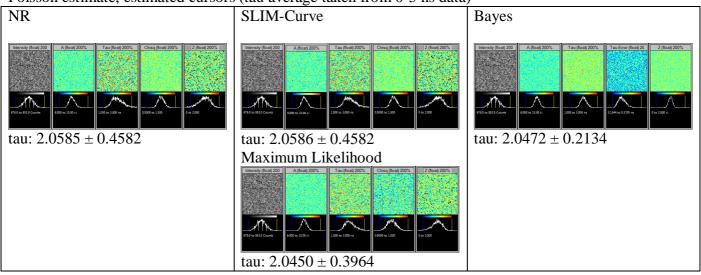
Tri-exp model, Maximum likelihood, Cursors: 0.24 2.30 2.62 8.98 -0.54 0.43, bin 3x3



Data is not really tri-exp so to continue is kind of meaningless.

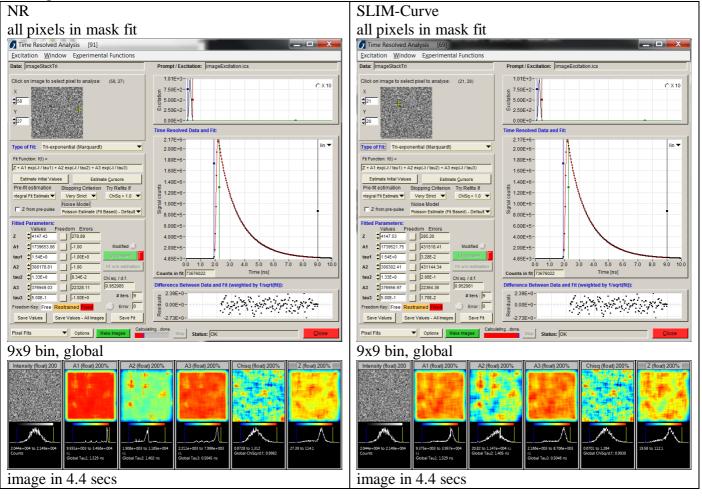
Test9: Simulated Mono-exp, n = 700 photons, tau = 2.00 ns

Poisson estimate, estimated cursors (tau average taken from 0-5 ns data)



Test10: Simulated Tri-exp, n = 20,000 photons, taus = 0.5, 1.5, 2.0 ns

Tri-exp model, Poisson estimate



Test11: LN_zo5_z5umstep_Zpos5725.55um_Time000743s_chan1

