

Coupling Matrix Measurement

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- Only had time for two runs.
 - There was a FEC that needed to be rebooted
- Shown, the result with slowFactor = 3

Blue-IP2-Au14-v0::injection-18336-2014-05-21-08-56-30.ctm -- Coupled Transfer Matrix

Summary Model Solver

IP2 Stone: Au14-v0::injection Fill#: 18336

Blue Time: 2014-05-21 08:56:30.570000 Bp: 81.1137653725

Measured Base Tunes

Type	Q ₁	Q ₂	ΔQmin
Value	0.236938	0.229565	0.001926

Measured Tweak Tunes

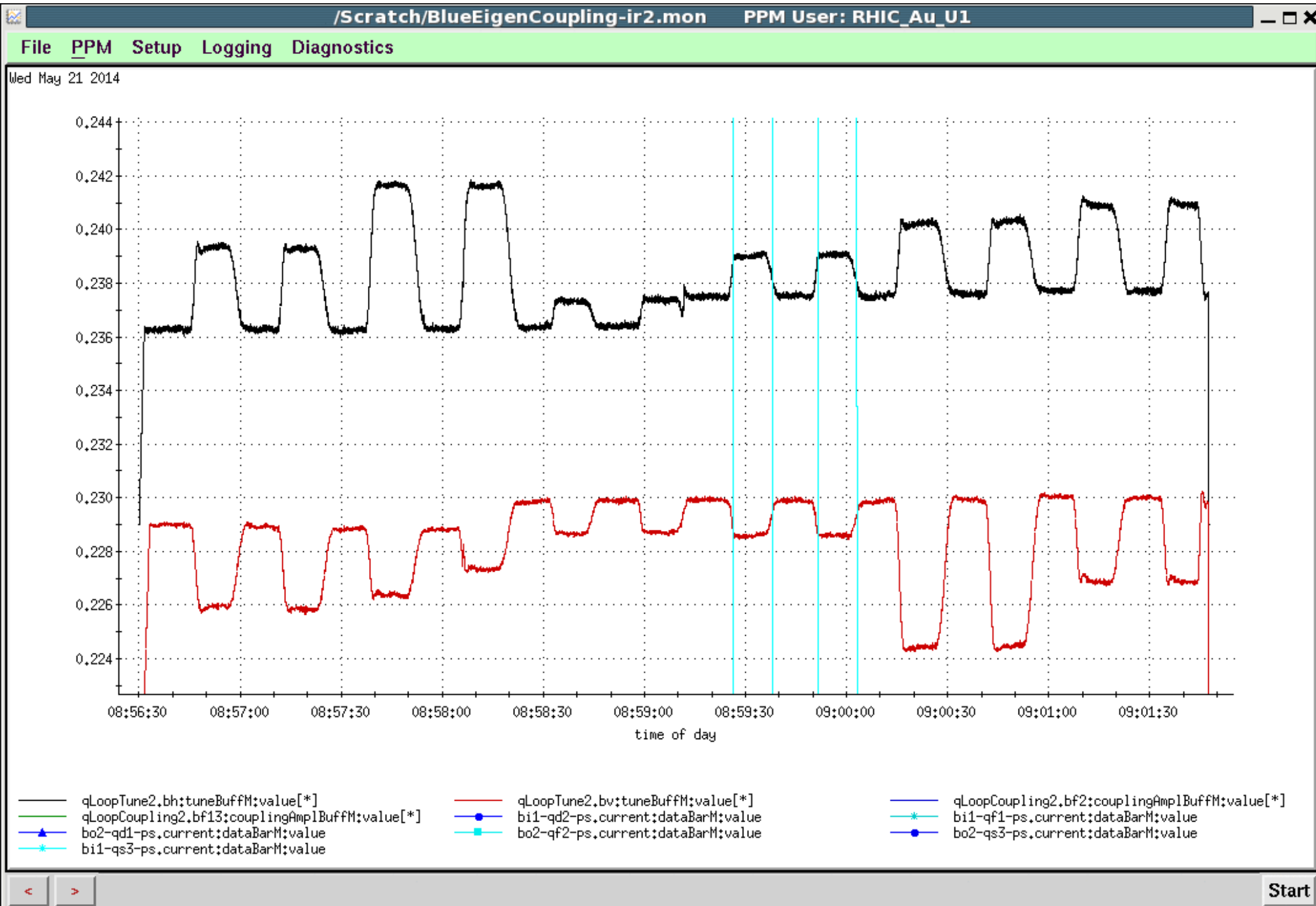
Quad	Device	ΔKL	Type	Q ₁	Q ₂	ΔQmin
q1b	bo2-qd1	0.000500	Value	0.239971	0.226488	0.002231
q2b	bo2-qf2	0.000500	Value	0.242297	0.227599	0.002226
q3b	bo2-qs3	-0.000400	Value	0.237909	0.228381	0.005391
q3e	bi1-qs3	0.000400	Value	0.238454	0.228224	0.007606
q2e	bi1-qd2	0.000500	Value	0.239660	0.224103	0.001904
q1e	bi1-qf1	0.000500	Value	0.240138	0.226426	0.001936

Summary

Name	Value	±σ	Name	Value	±σ
α ₁	0.090393927	0.2006	α ₂	-0.03945511	0.2054
β ₁	9.5333288	1.186	β ₂	9.746498	1.434
S ₁ ^w	0.85477064	1.869	S ₂ ^w	-0.38395145	1.993
β ₁ ^w	9.4560627	1.225	β ₂ ^w	9.7313491	1.44
a	0.038365269	0.09226	b	-1.2752125	1.22
c	0.013059829	0.01672	d	0.077450337	0.08591

Open Save Measure Evaluate Edit Tunes Off Quit

This is not due to hysteresis.



- Two approaches
 - Try a larger slowFactor
 - Simplify the method, change only once per quadrupole

