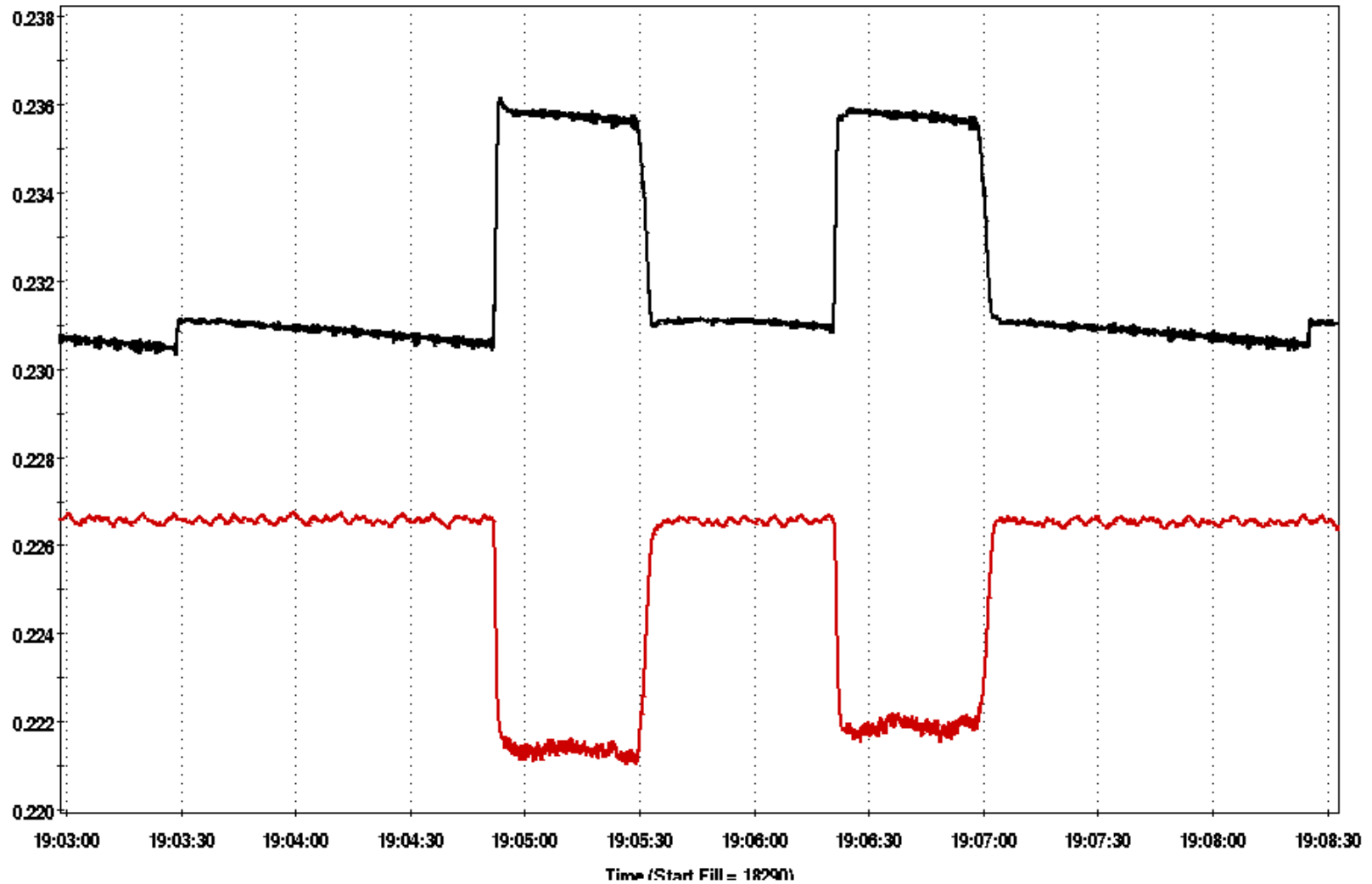


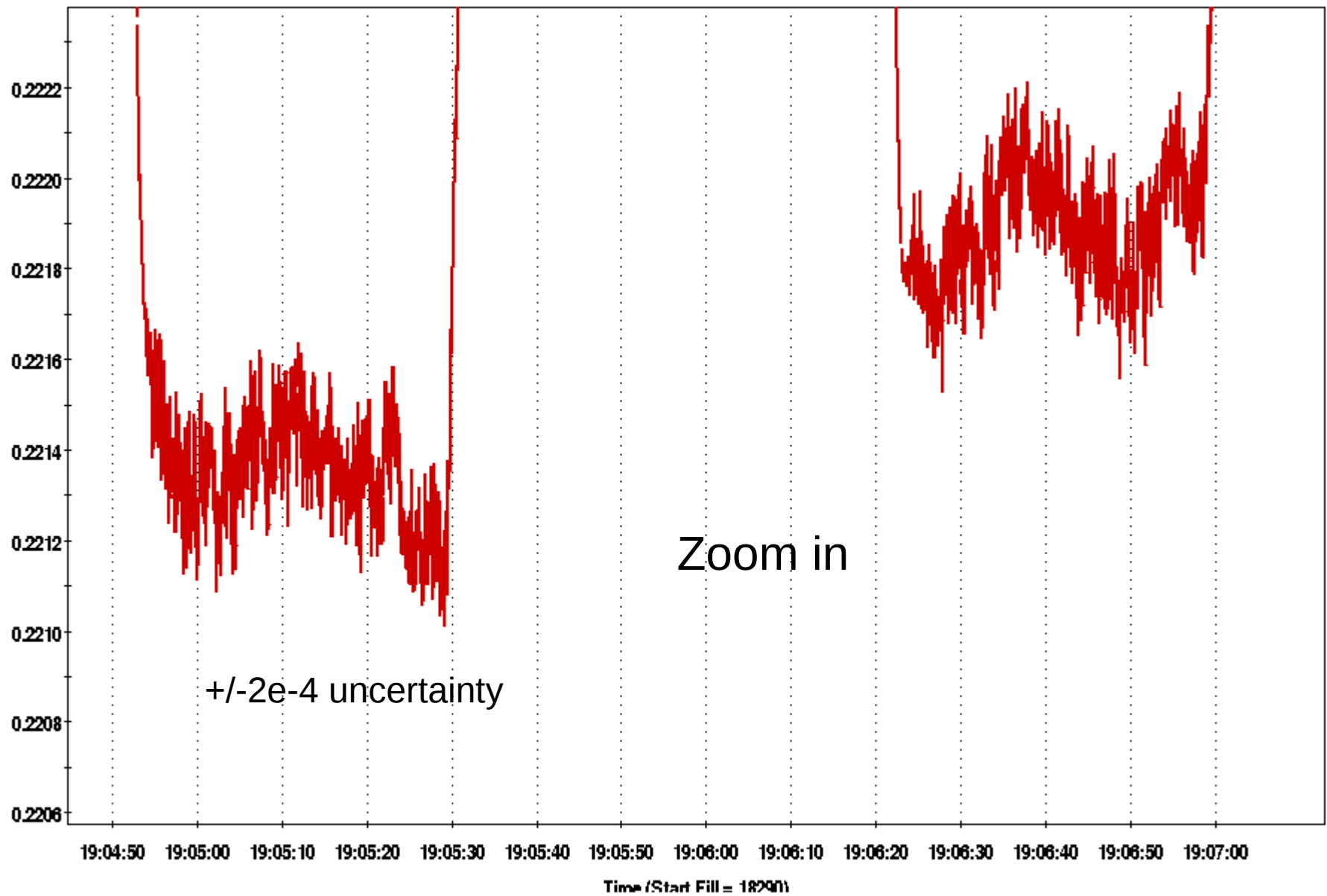
Beta* and s* measurement with Q1 strength knobbing

2014May 07 APEX Session

Experiment Data



— qLoopTune2,bh;tuneBuffM[.] (C) — qLoopTune2,bv;tuneBuffM[.] (C)



—●— qLoopTune2,bh;tuneBuffM[.] — qLoopTune2,bv;tuneBuffM[.]

Ring Name: Blue

IP: IP8

Δk_l for Q1F: 0.00009

Δk_l for Q1D: 0.00009

Measure Time (seconds): 5

Trim activation time (seconds): 5

Power Supply State: LastStone

Start Measurement Cancel Measurement

Progress of measurement

Measured Average Betas

Average β_x (m)

Average β_y (m)

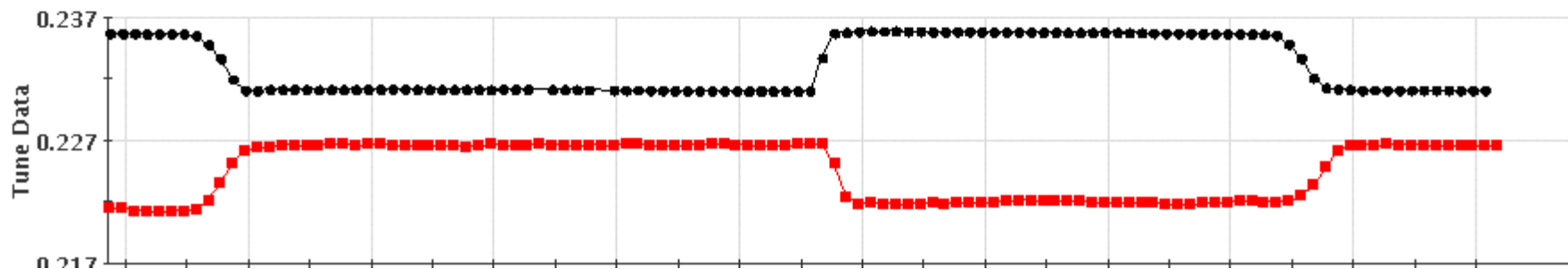
Q1F : 702.746187
Q1D : 655.393594

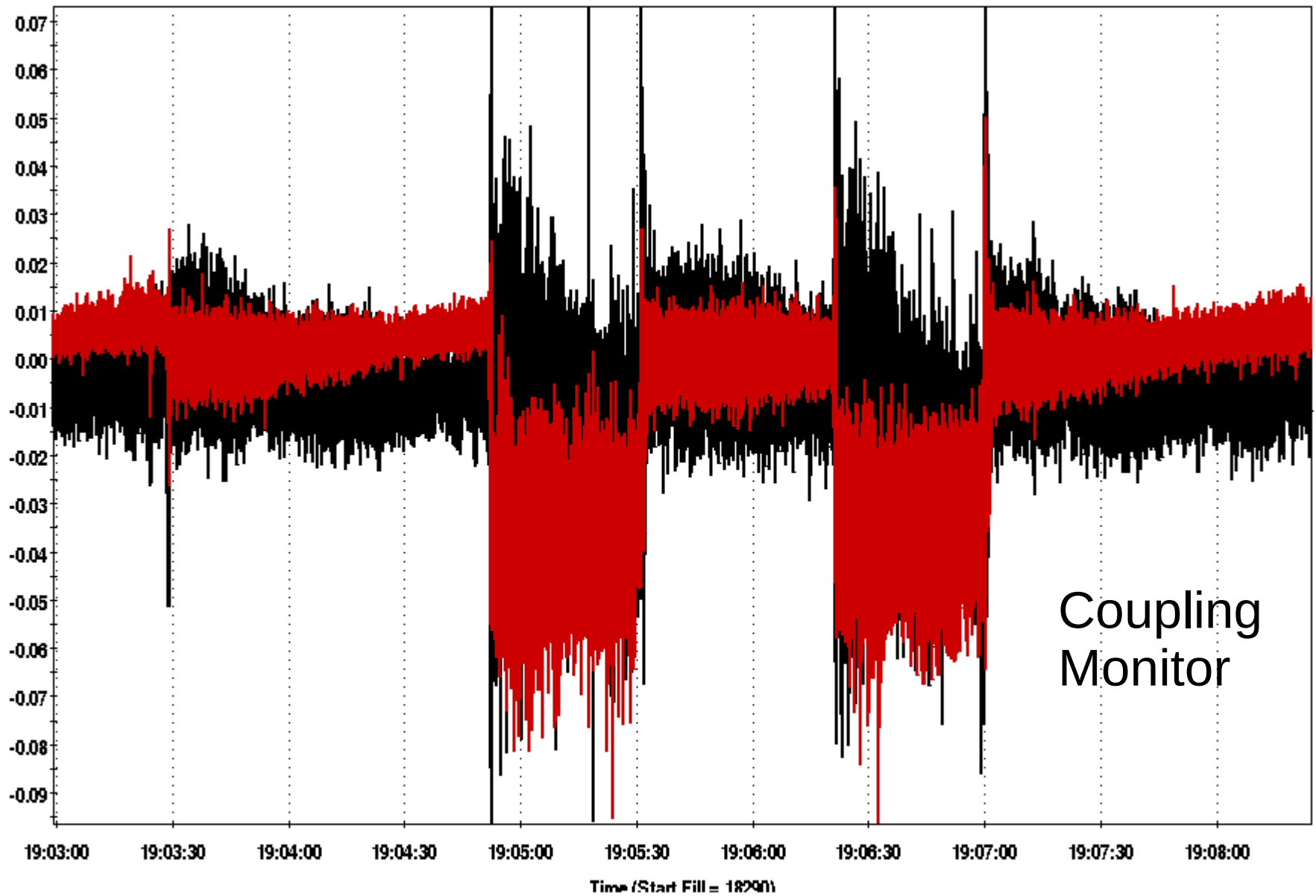
728.083723
651.500407

Measured Beta_Stars and Waists

	β_x (m)	α_x	S_x (m)	β_y (m)	α_y	S_y (m)
IR Center :	1.952671	-0.972958	0.0	1.031628	0.207424	0.0
β Waist :	1.003094	0.0	0.975969	0.989073	0.0	0.205158

Tune Plot





— qLoopCoupling2,bf2;deltaStrengthBuffM[.] (C)

— qLoopCoupling2,bf13;deltaStrengthBuffM[.] (C)

RampEditor (Read Only)

Ramp Edit Buffer Optics Stepstone Compare Diagnostics Help

Editing: Au14-s0 Live Stone: Au14-s0::store Ramp State: LastStone Save Activate / Make Live

Optics Table Stepstone Editor Compare/Revert

Stepstone Pebble Blue Yellow Green

flattop	QUAD	Magnet	Design	Trim	BDesign	BTrim
store	SEXTUPOLE	bo7-qf8	0.098702	0.000000	0.098702	0.000000
	H_STEER	bo7-tq6	-0.012115	0.000000	-0.012115	0.000000
	V_STEER	bo7-tq5	0.017316	0.000000	0.017316	0.000000
	GAMMA	bo7-tq4	0.033433	0.000000	0.033433	0.000000
	SKEW_QUAD	bo7-qd3	-0.118374	0.000000	-0.118374	0.000000
	SKEW_SEXT	bo7-qf2	0.190760	0.000000	0.190760	0.000000
	NONLINEAR	bo7-qd1	-0.083765	0.000000	-0.083765	0.000000
	ABORT	bi8-qf1	0.082396	0.000000	0.082396	0.000000
	BEND	bi8-qd2	-0.190211	0.000000	-0.190211	0.000000
	HELIX	bi8-qf3	0.118777	0.000000	0.118777	0.000000
	RF	bi8-tq4	-0.033381	0.000000	-0.033381	0.000000
		bi8-qd4	-0.166132	0.000000	-0.166132	0.000000
		bi8-tq5	-0.016515	0.000000	-0.016515	0.000000

Nudge = 0.000010