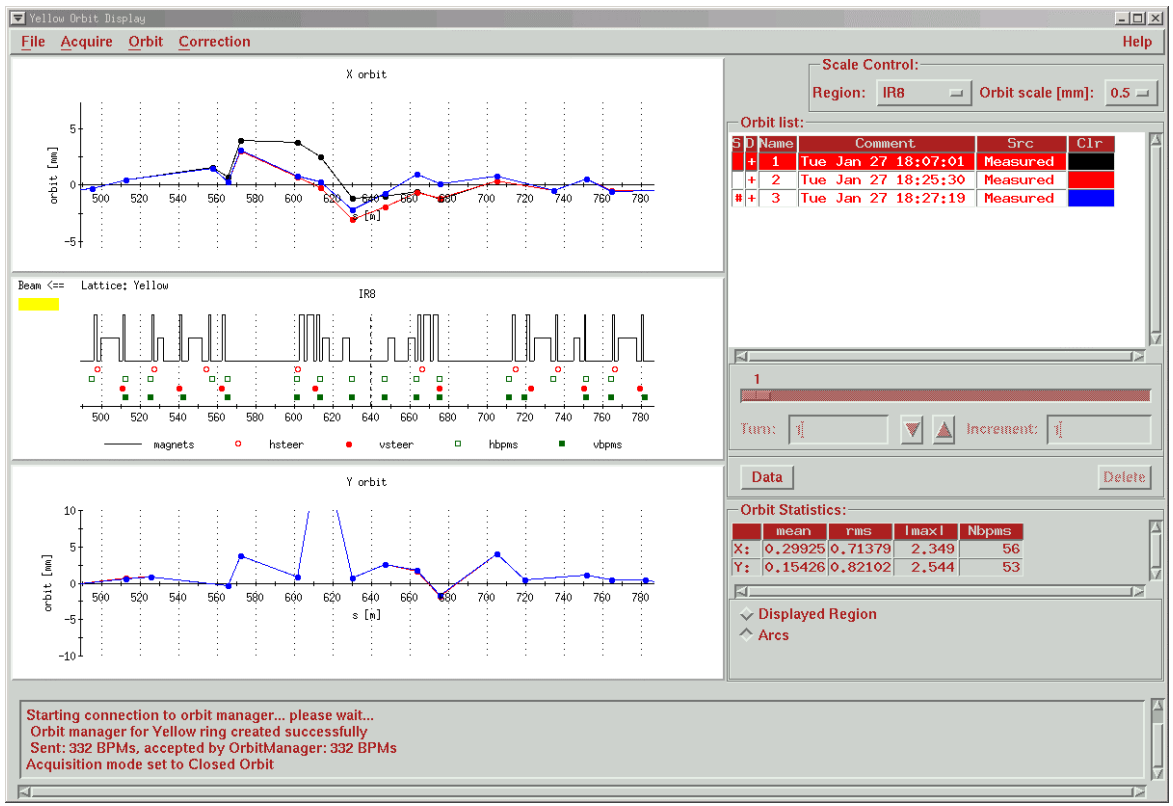
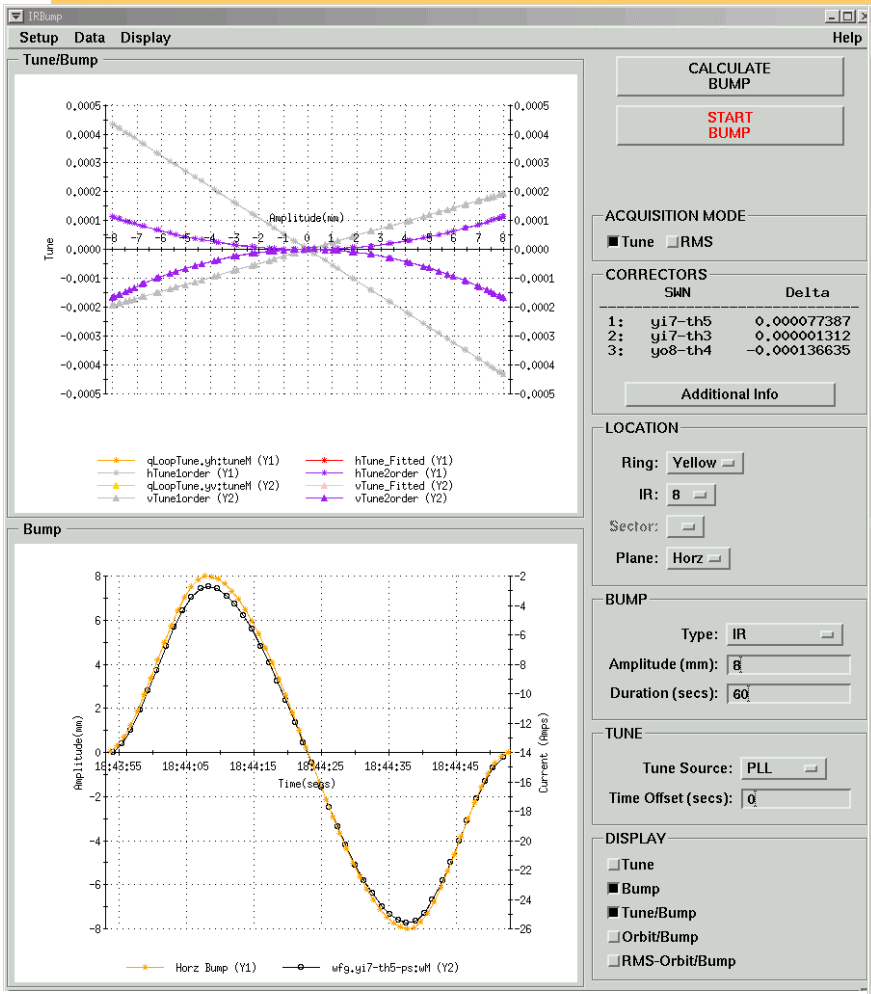
Ir (re) correction yellow IR8

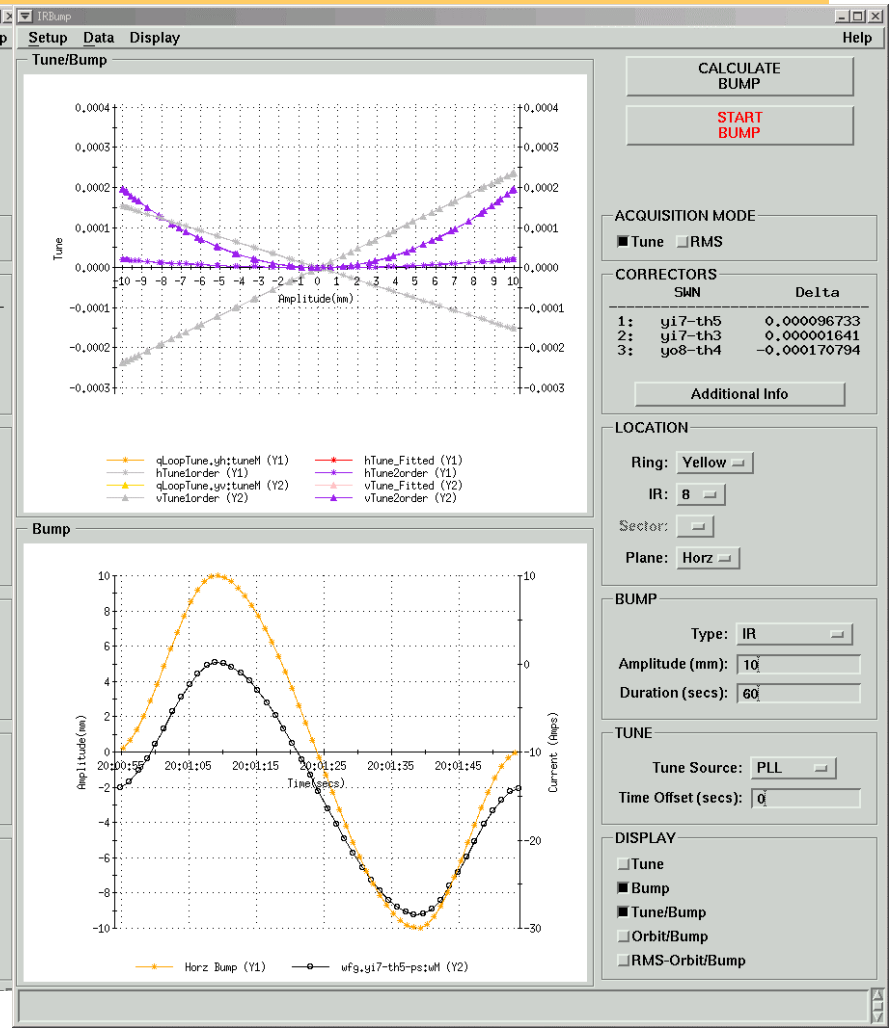
Dynap last week
Operation test last Sunday
Comparison model – operation correctors
→ Revisit yellow IR8



Fix orbit
DQ ~ 0.012

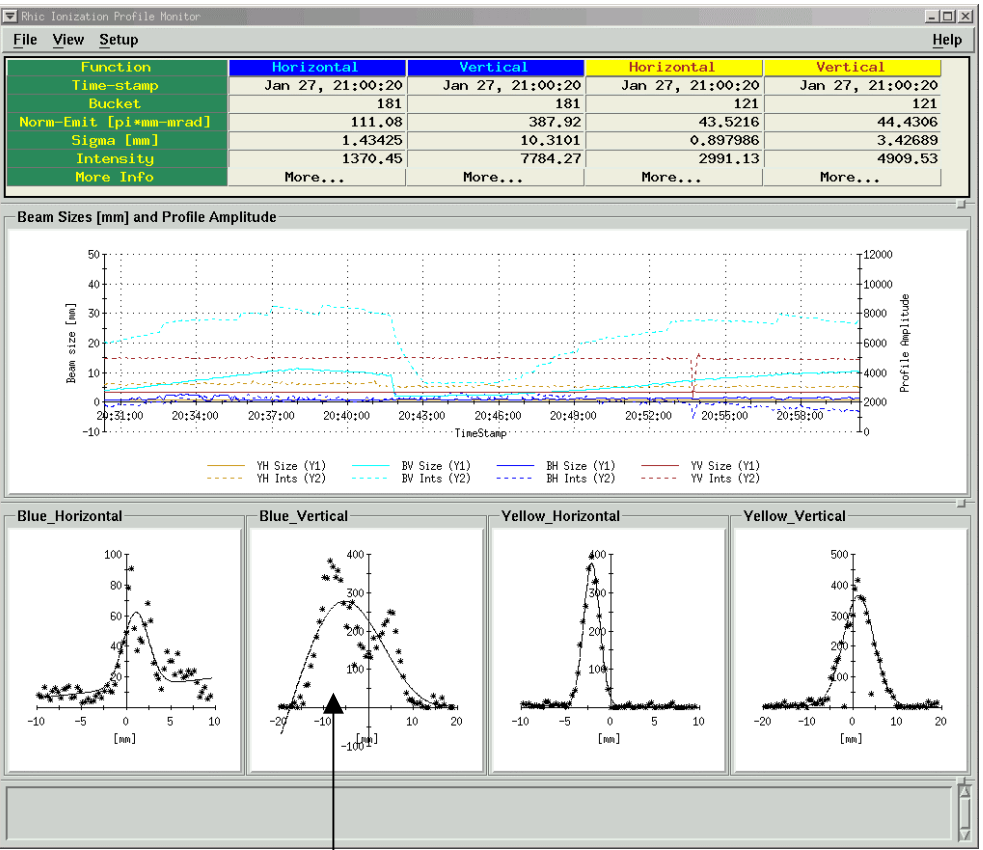
Re-correction yellow IR8

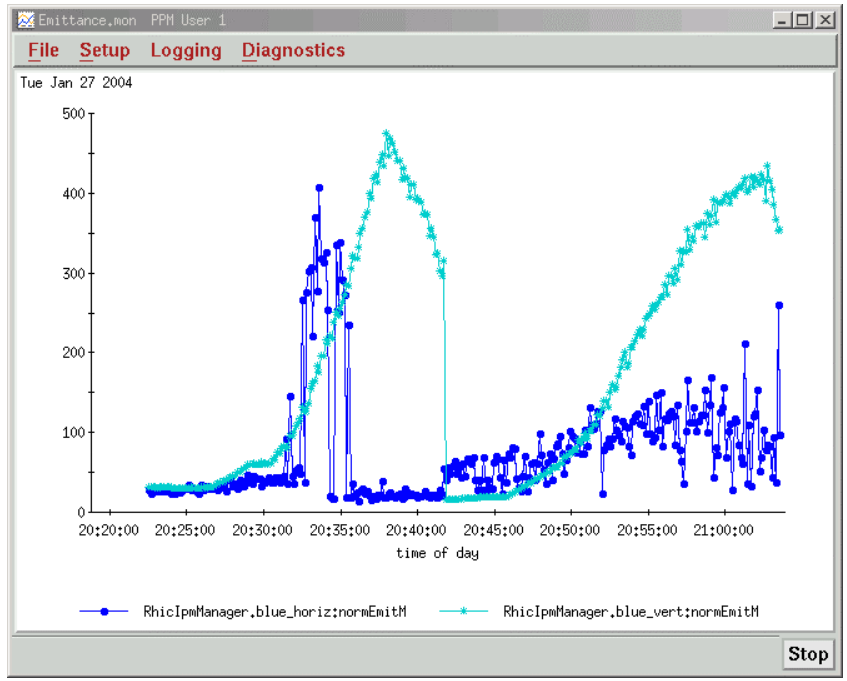




Yi7-sx3=0.0005 yi7-oct3=-0.05 yo8-oct3 =-0.1

Blue dynamic aperture

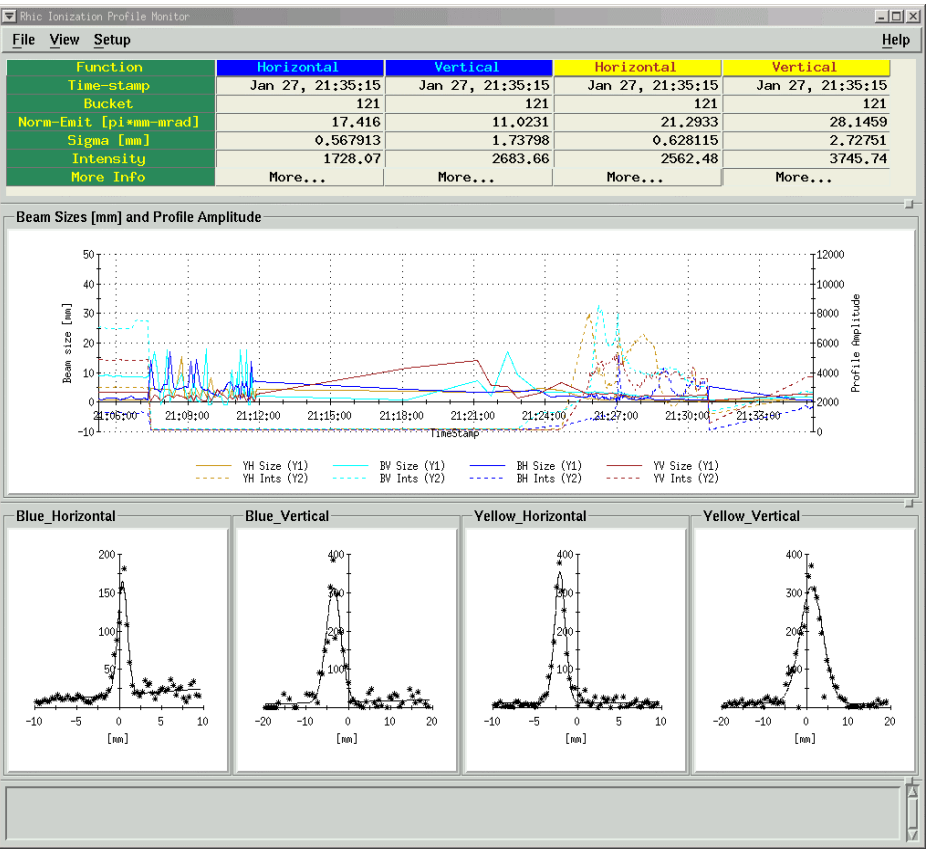




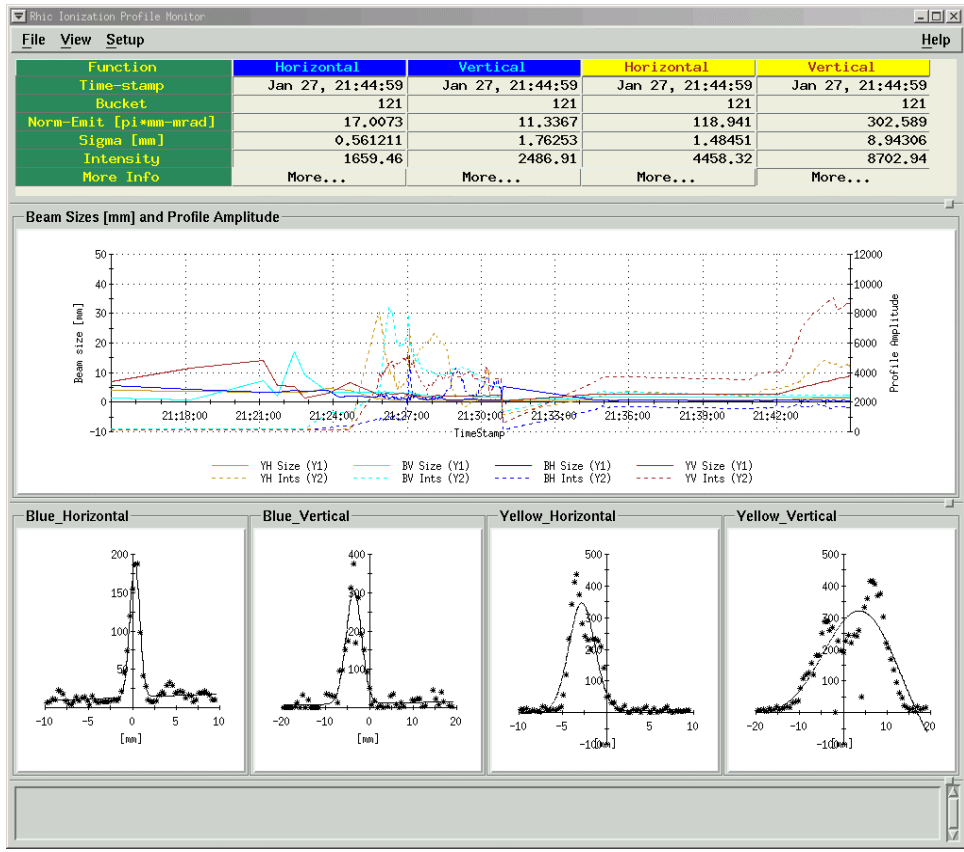
No IR correctors

Double peak during kicking

Yellow dynamic aperture

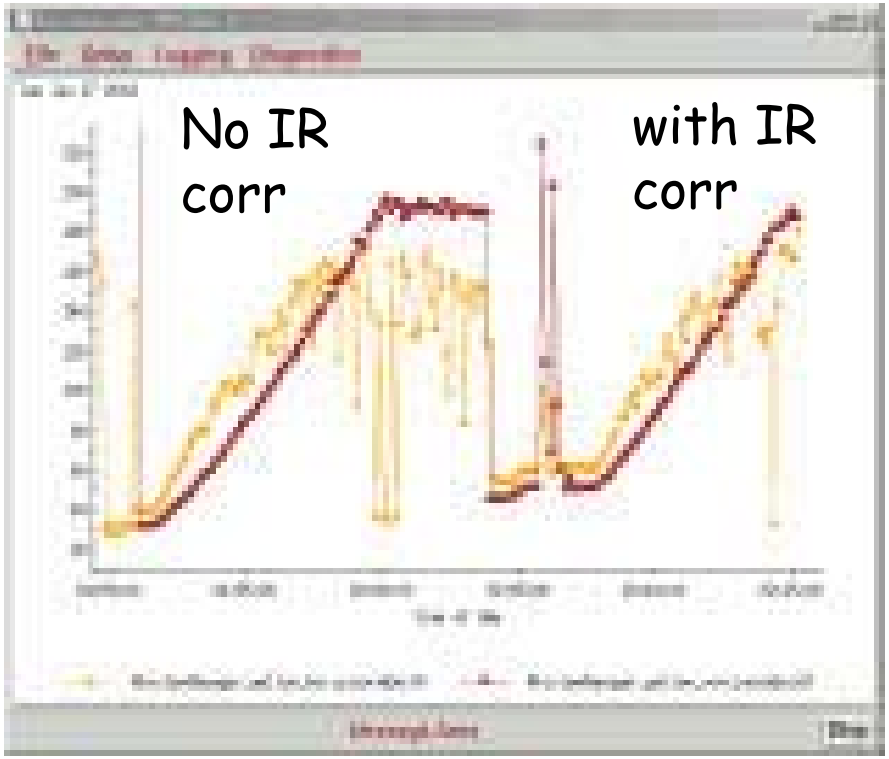


Before kicking

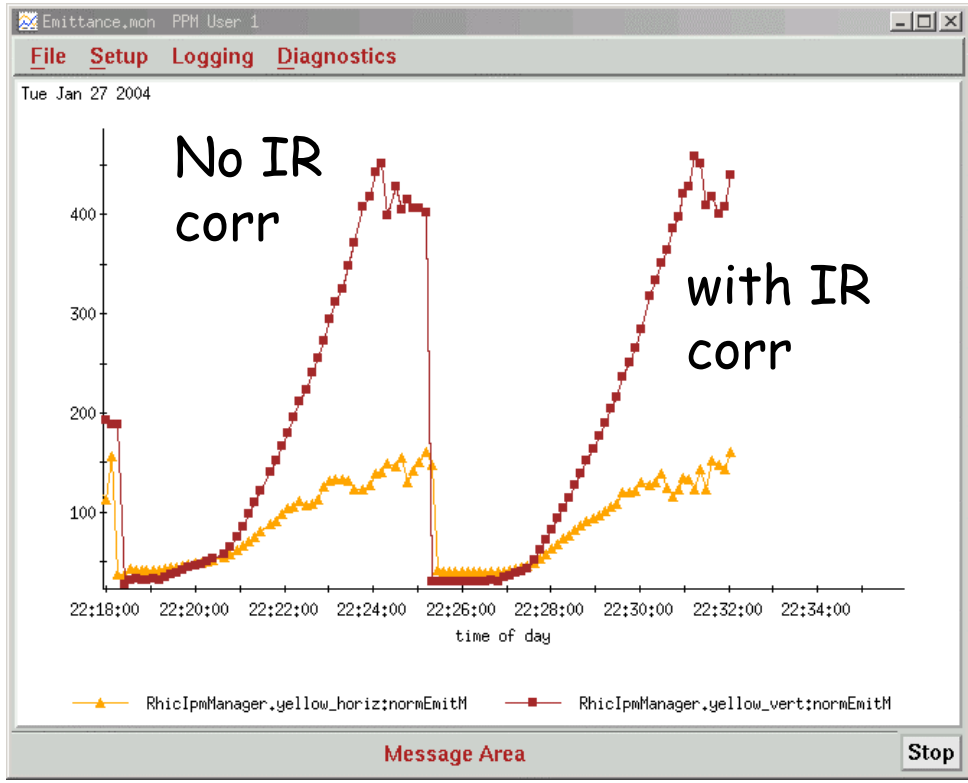


During kicks

Yellow dynamic aperture data

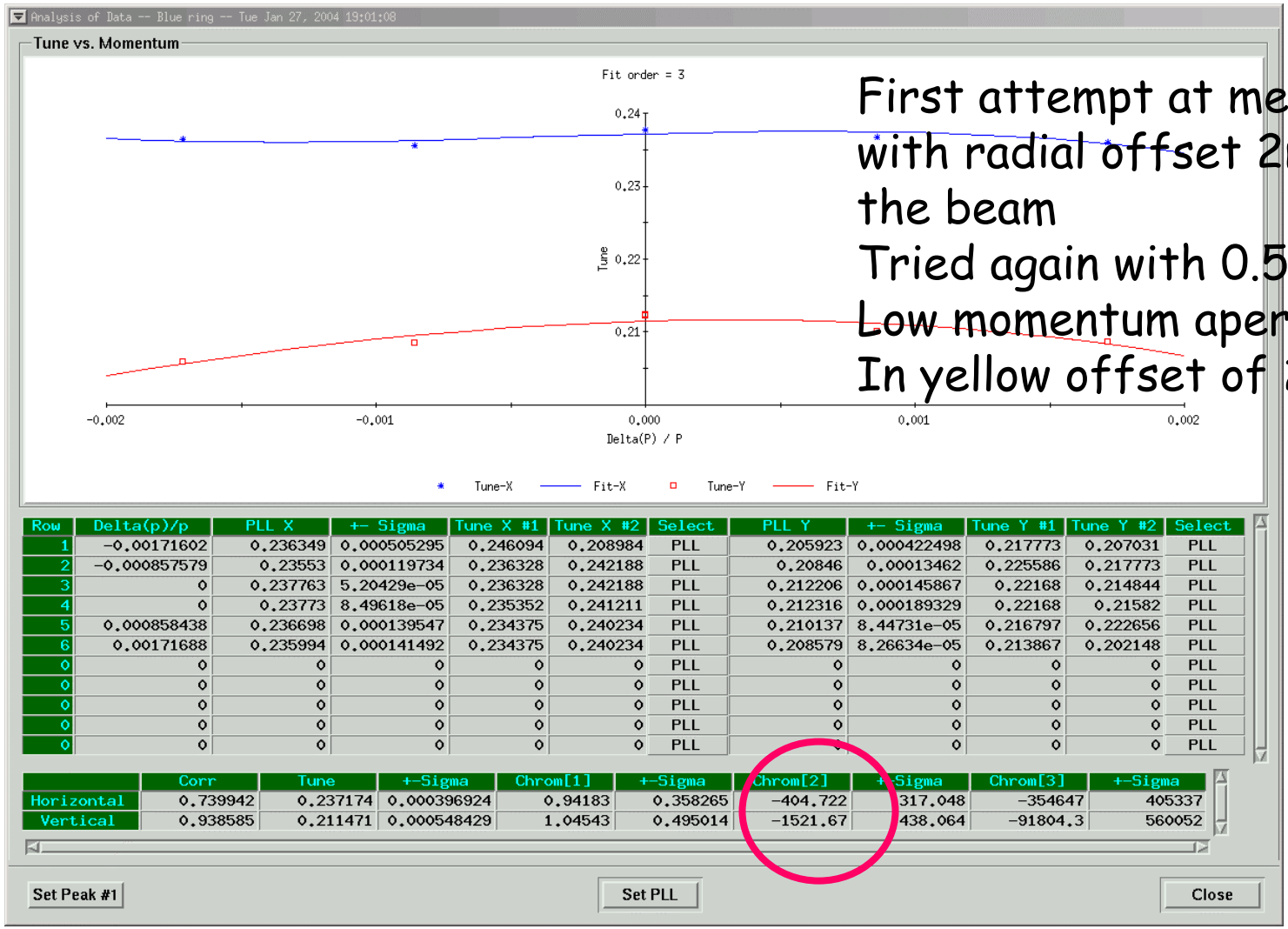


Horizontal kicks



Vertical kicks

Non linear chromaticity - blue



Row	Delta(p)/p	PLL X	+- Sigma	Tune X #1	Tune X #2	Select	PLL Y	+- Sigma	Tune Y #1	Tune Y #2	Select
1	-0.00171602	0.236349	0.000505295	0.246094	0.208984	PLL	0.205923	0.000422498	0.217773	0.207031	PLL
2	-0.000857579	0.23553	0.000119734	0.236328	0.242188	PLL	0.20846	0.00013462	0.225586	0.217773	PLL
3	0	0.237763	5.20429e-05	0.236328	0.242188	PLL	0.212206	0.000145867	0.22168	0.214844	PLL
4	0	0.23773	8.49618e-05	0.235352	0.241211	PLL	0.212316	0.000189329	0.22168	0.21582	PLL
5	0.000858438	0.236698	0.000139547	0.234375	0.240234	PLL	0.210137	8.44731e-05	0.216797	0.222656	PLL
6	0.00171688	0.235994	0.000141492	0.234375	0.240234	PLL	0.208579	8.26634e-05	0.213867	0.202148	PLL
0	0	0	0	0	0	PLL	0	0	0	0	PLL
0	0	0	0	0	0	PLL	0	0	0	0	PLL
0	0	0	0	0	0	PLL	0	0	0	0	PLL
0	0	0	0	0	0	PLL	0	0	0	0	PLL
0	0	0	0	0	0	PLL	0	0	0	0	PLL

	Corr	Tune	+-Sigma	Chrom[1]	+-Sigma	Chrom[2]	+-Sigma	Chrom[3]	+-Sigma
Horizontal	0.739942	0.237174	0.000396924	0.94183	0.358265	-404.722	317.048	-354647	405337
Vertical	0.938585	0.211471	0.000548429	1.04543	0.495014	-1521.67	438.064	-91804.3	560052

First attempt at measurement with radial offset 2mm aborted the beam

Tried again with 0.5 mm

Low momentum aperture in blue (?)

In yellow offset of 2mm was OK