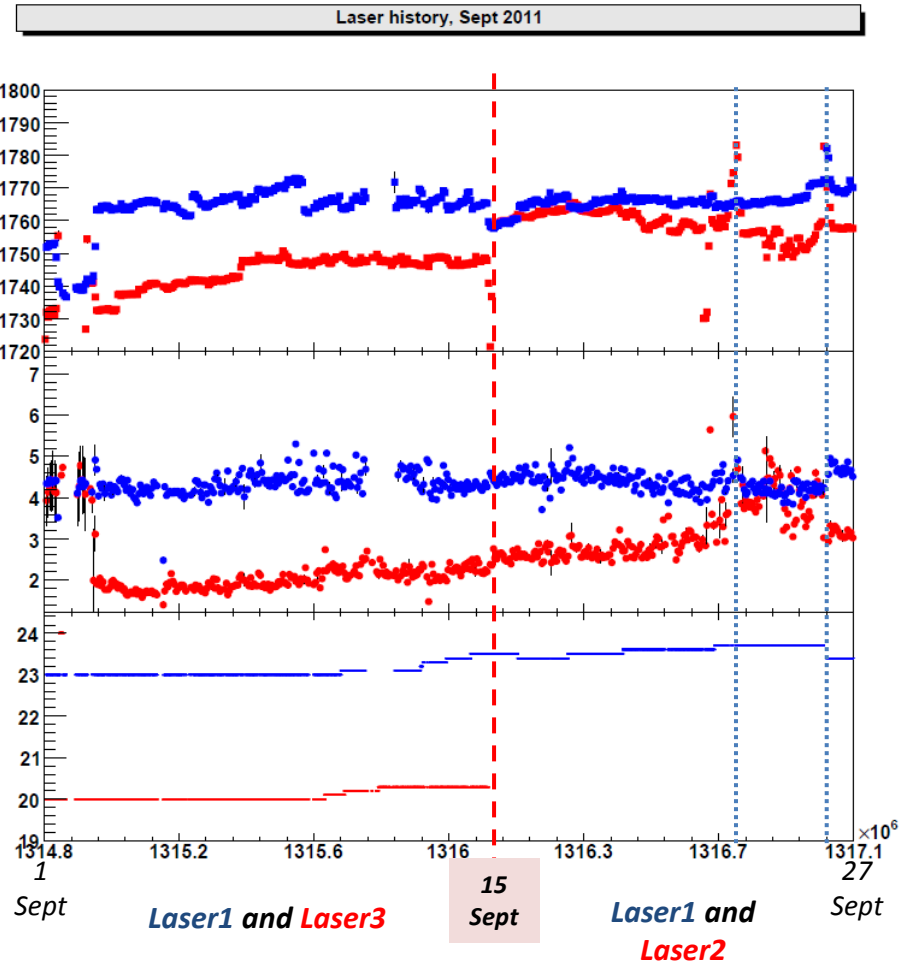
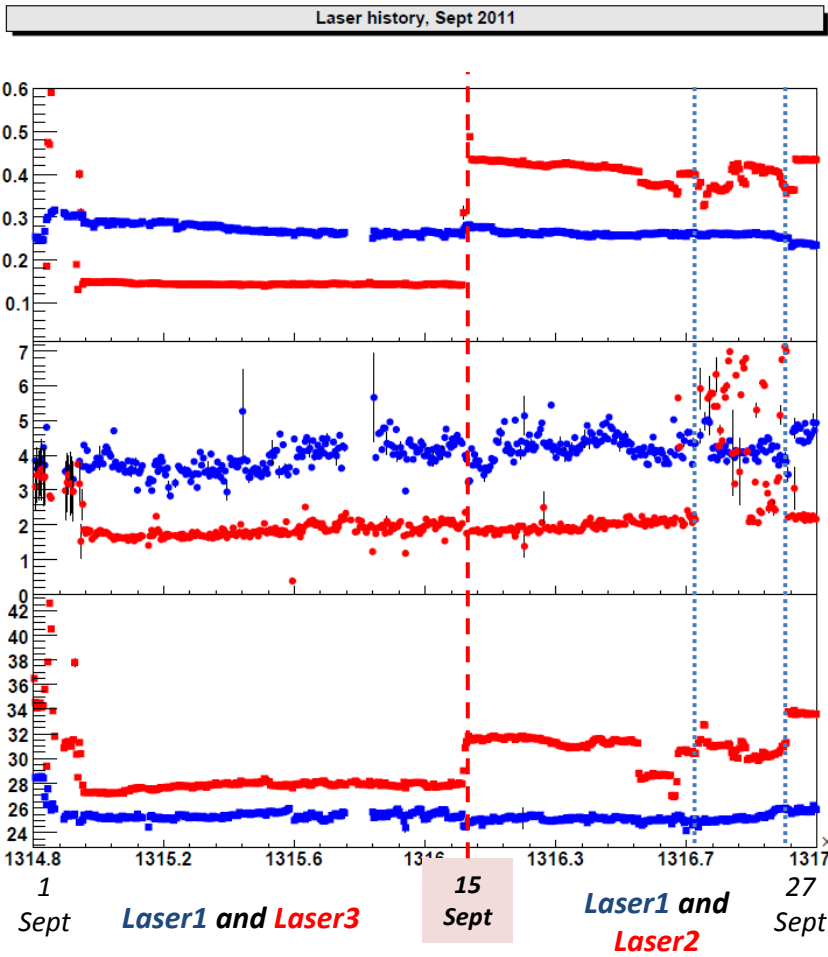
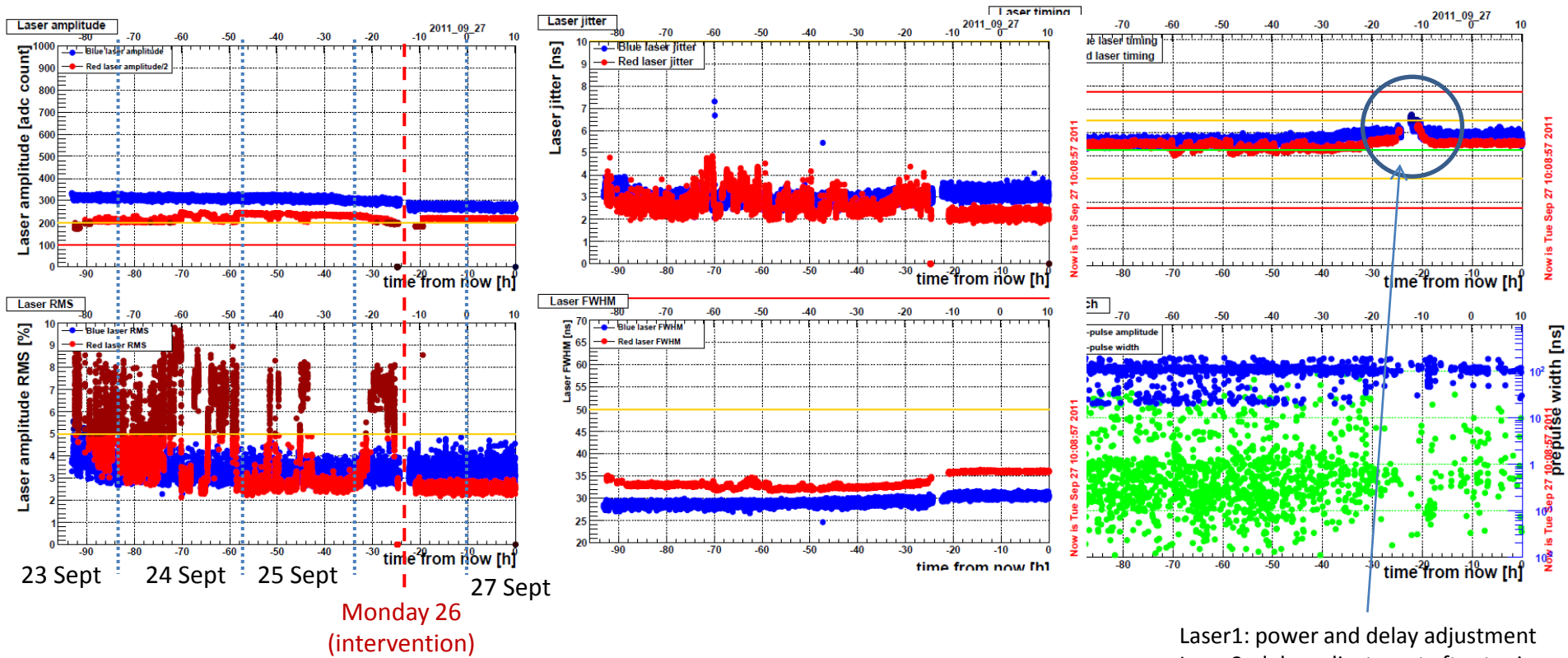


# Lasers plots from slow monitoring



# Lasers plots from Matacq: 96hrs



**LASER2:** Intensity RMS fluctuation from 23-25 Sept: above the limit time to time.

-2 bunches above the RMS limits on Friday afternoon: too premature to conclude and make intervention. This kind of fluctuation is normal time to time and can recovered itself (thermal effect, HV, optics,). This was the case as well for laser1 in the last days, and in the last years as well time to time ! The evening RMS was back to normal.

-Saturday: RMS out of the limits again. Then laser2 RMS recovered itself on Sunday, before going bad again later Monday.

- Monday morning: tuning of TiS optics. I think laser tuning change a bit following previous test at high current level.

### Comment:

**Yellow line at 5% is just for a warning**

as indication for laser experts-shifters about a **possible** degradation and higher degradation **BUT** when only RMS fluctuate and other values are very stable → no worry about eminent degradation !

**RMS limit is 10% !**

The impact on the monitoring is **LOW** below this value and we used to run monitoring with such value without trouble.

→ Cf. Marc Dejardin

