

Alignment status

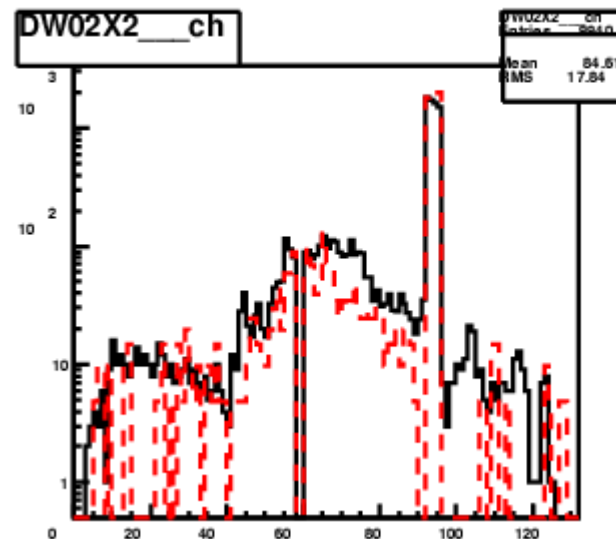
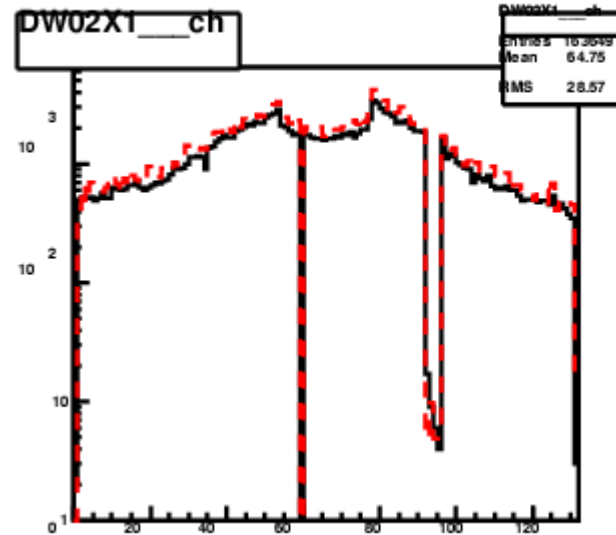
Rafał Gazda

- As starting point for 2007 (W23) description from 2006 was used for most of detectors (only few planes were surveyed).
- Periods with already available detectors.dat:
W23, W25, W26, W27, W28, W30, W31, W32, W39
- All periods will be anyhow redone before final production, with hopefully fixed all remaining problems.

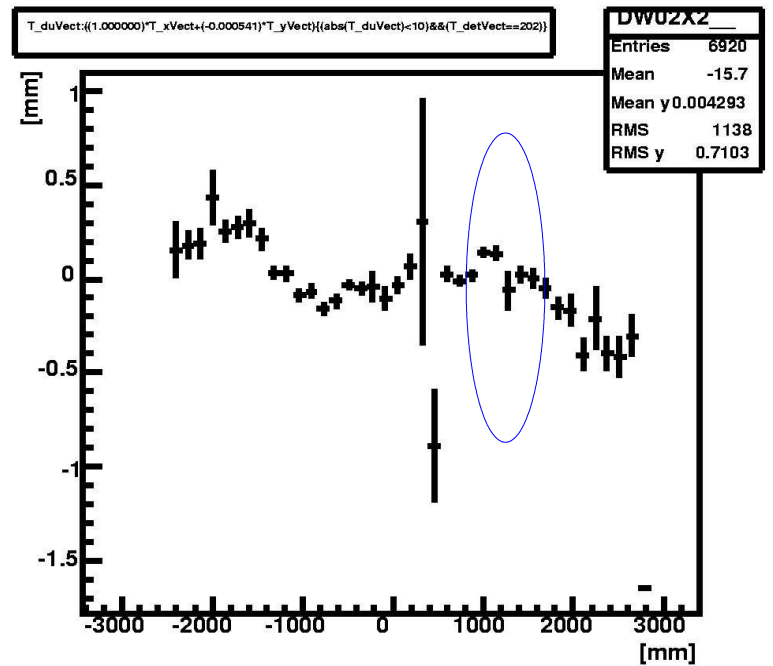
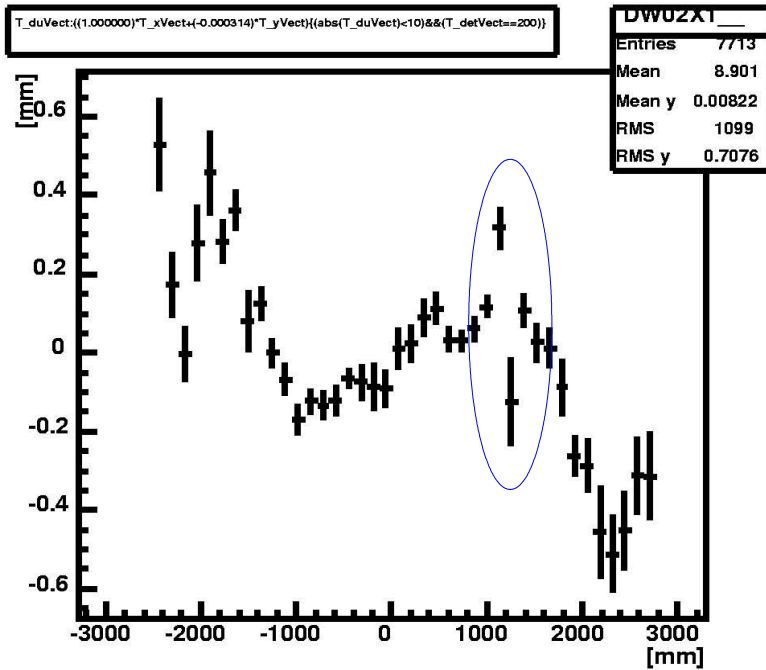
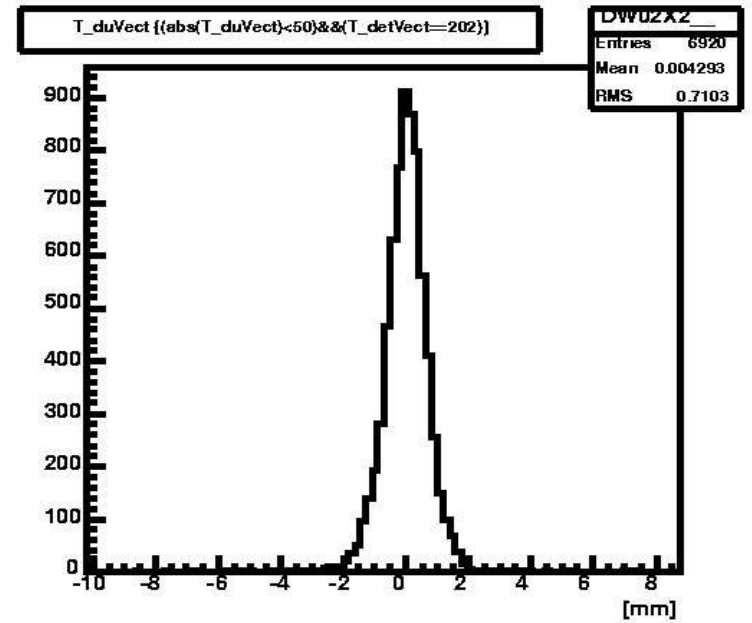
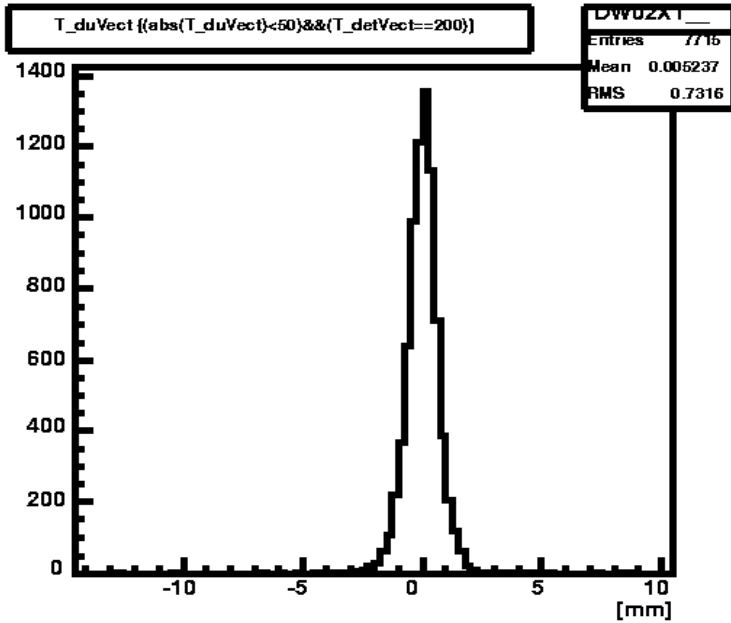
W45 (cabling and mapping)

It was found that some channels in DW02X1 and DW02X2 are inverted

Run 62158 DW_ch

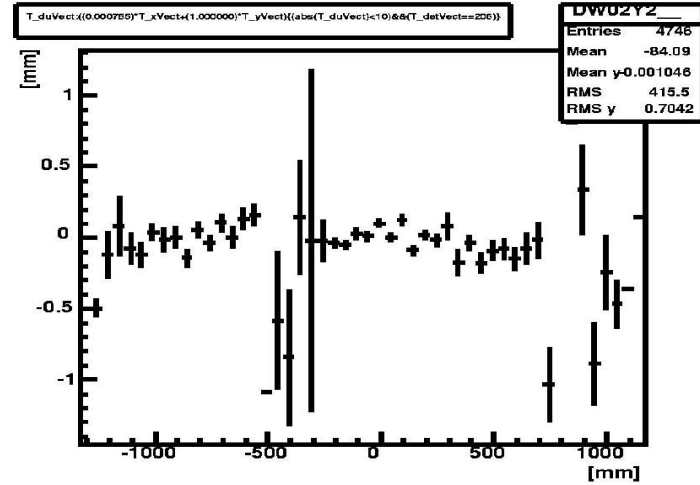
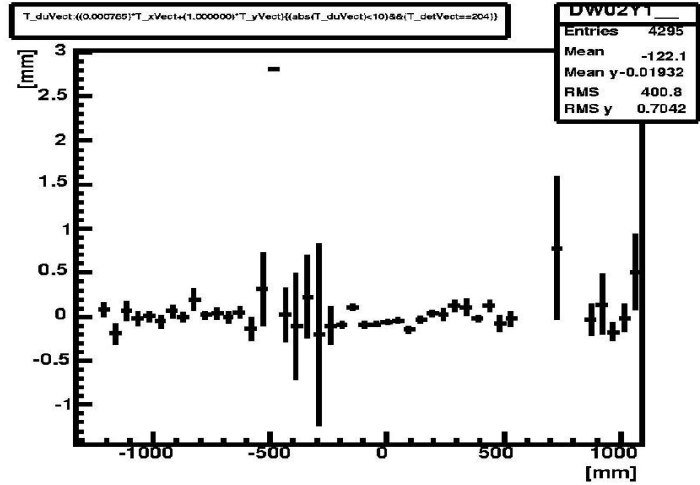


from alignment point of view...

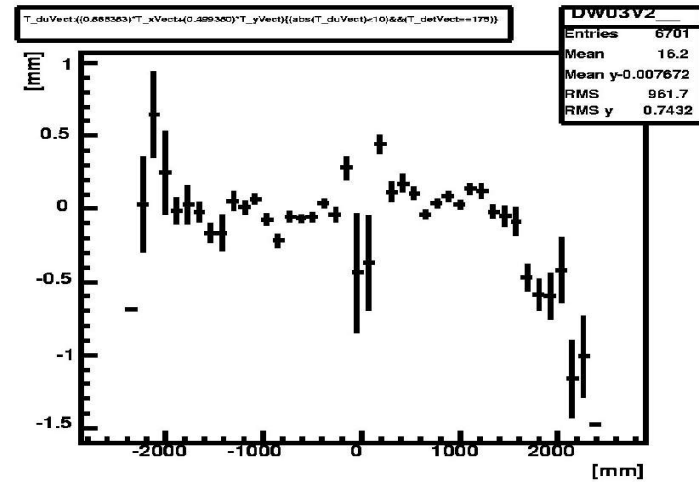
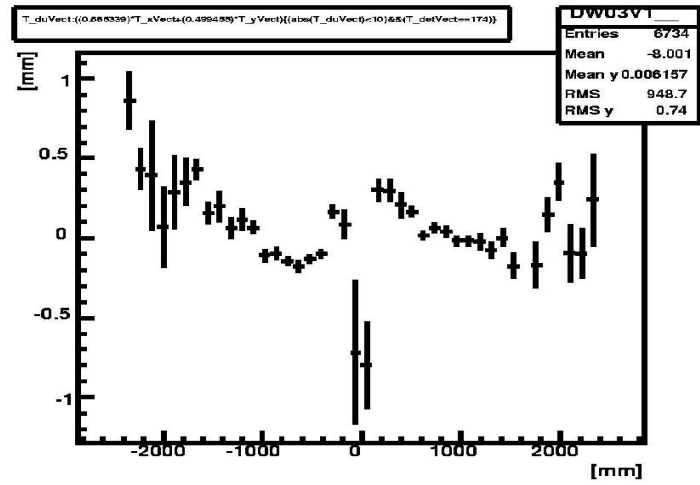


Other “candidates”:

DW02Y1 and DW02Y2



DW03V1 and DW03V2



Cabbling and mapping file should be compared once again for all W45 before any reproduction.

W45, DC00, DC01, DC04 (dead zones)

- some dead zones have been calculated for each layer separately of the same plane. They need to be corrected using the same description for both layers.
- bug appeared at the beginning of 2006 and propagated up to now. Most probable the origin was wrong MC.
- Impact on the reconstruction should not be large (in #tr)
- 2004 detector description for W45 and DC01 will be used as a starting point for future alignment in 2006 and 2007.
- DC00 and DC04 need some work to recalculate proper position of dead zones.

ST

(X-ray, ordering,...)

- It seems that X-ray corrections don't work properly. To my mind gain (if any) is marginal.
- There are some indication that ordering of ST (especially ST02) can be in wrong. Would be nice to check everything from scratch: compare at least ordering of layers in experimental hall with mapping, det.dats and X-ray corrections.