

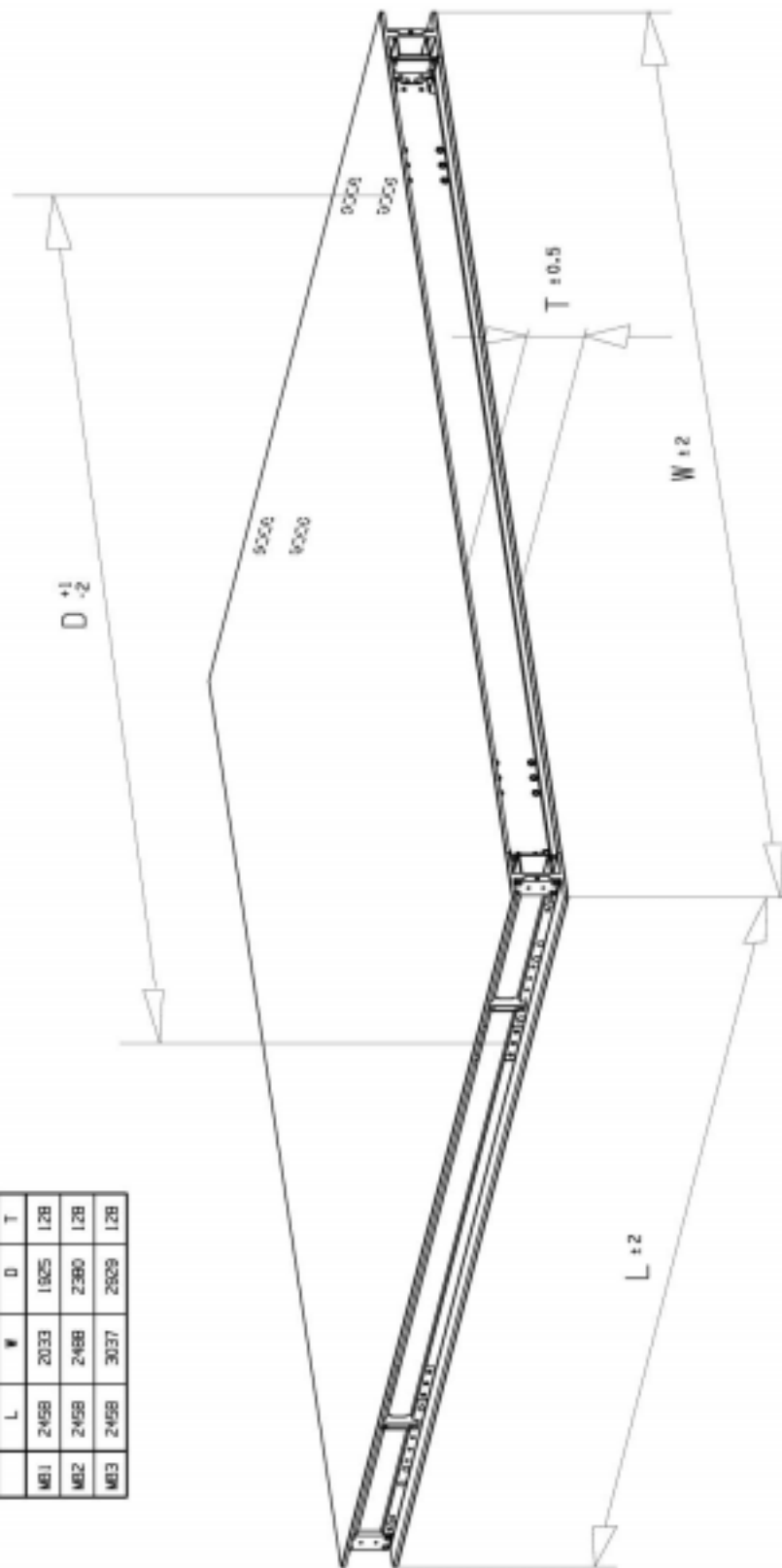


Results from measurements of honeycomb panels

- ◆ **Dimensions and tolerances requested and measured**
- ◆ **Flatness and straightness measurement methods and results for θ table and honeycomb panels**
- ◆ **Damages to honeycomb panels**

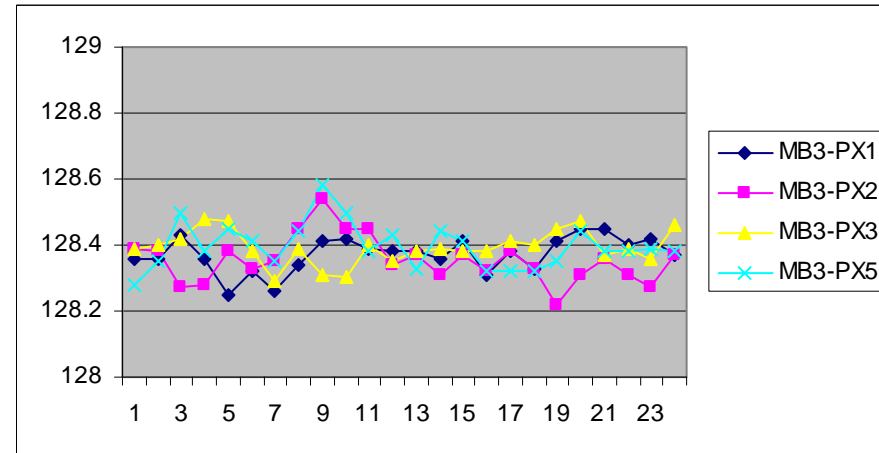
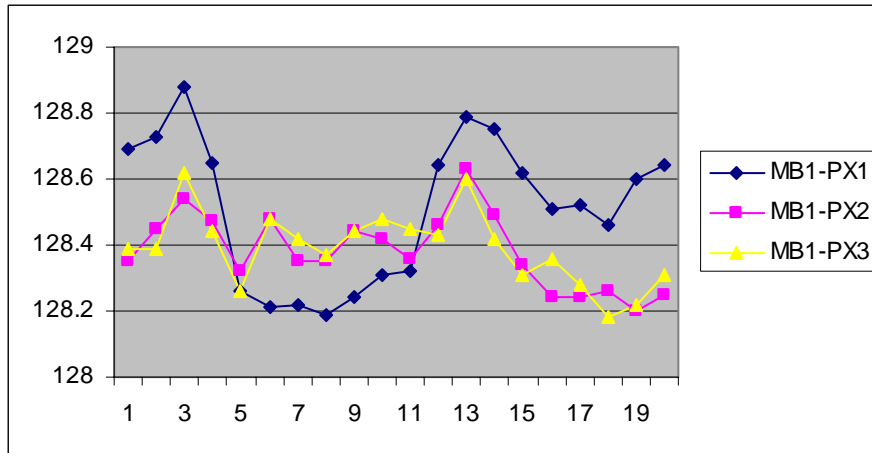
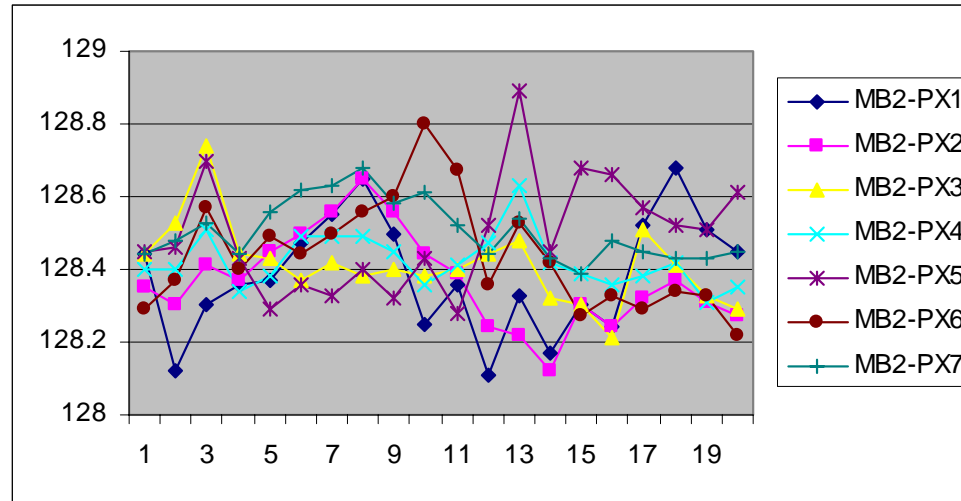
Fig.2.11 Honeycomb panel - dimensions naming convention
 D: distance between milled surfaces of the support side profiles
 L, W: max. dimensions of the panel (plates)
 diagonal difference ≤ 3 mm

	L	W	D	T
M01	2458	2033	1825	128
M02	2458	2488	2380	128
M03	2458	3037	2929	128



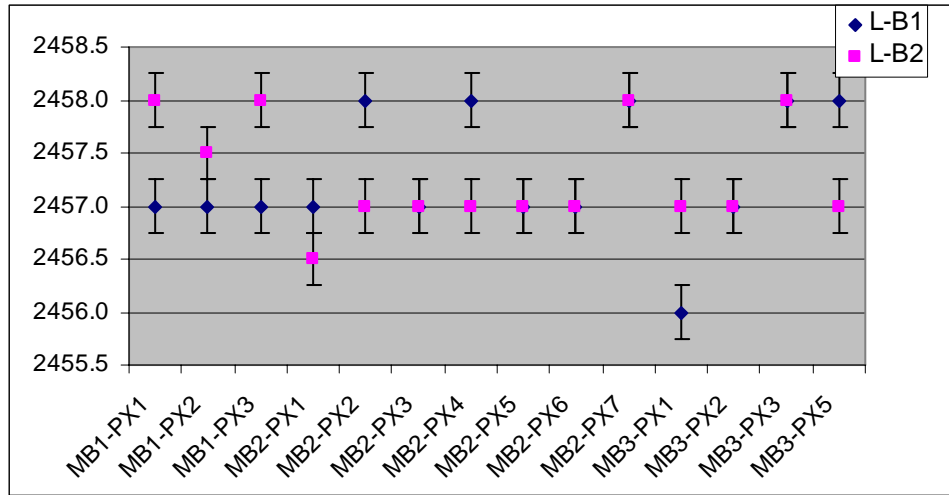


Thickness (mm)

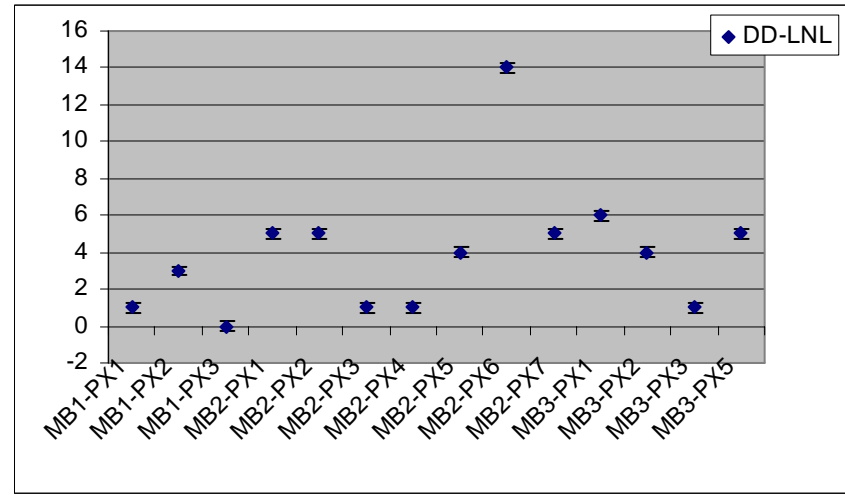




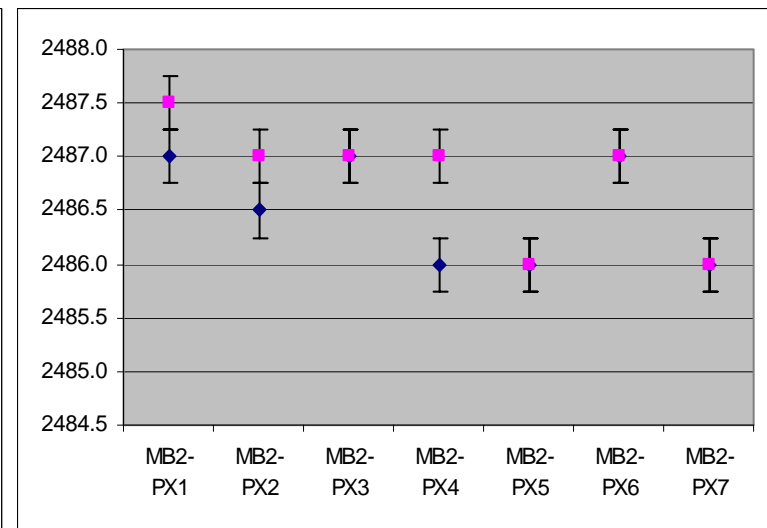
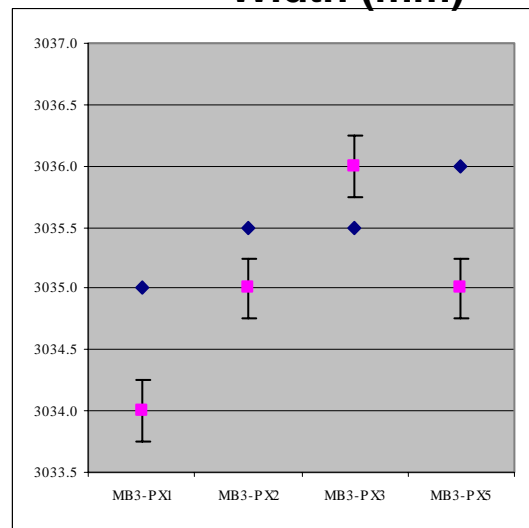
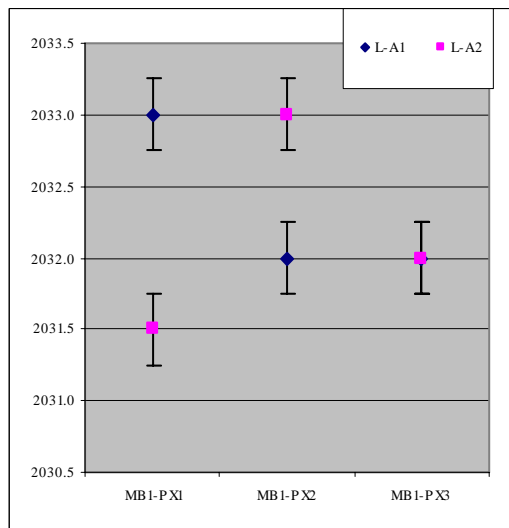
Length (mm)



Diagonals diff. (mm)

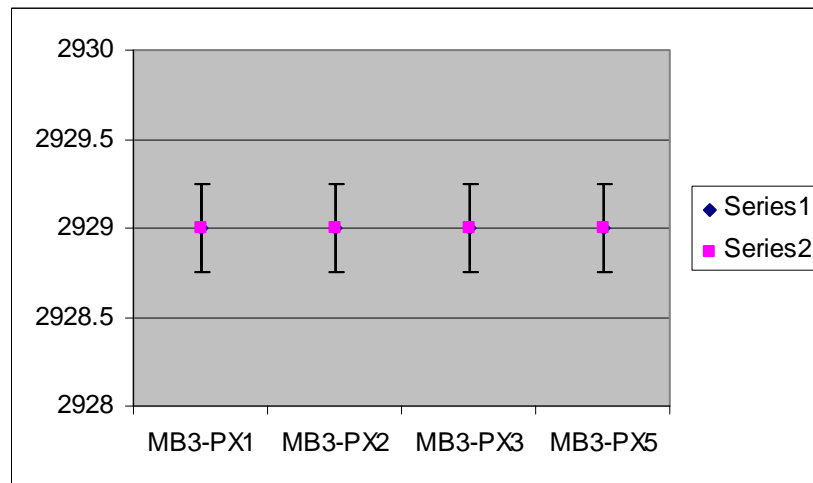
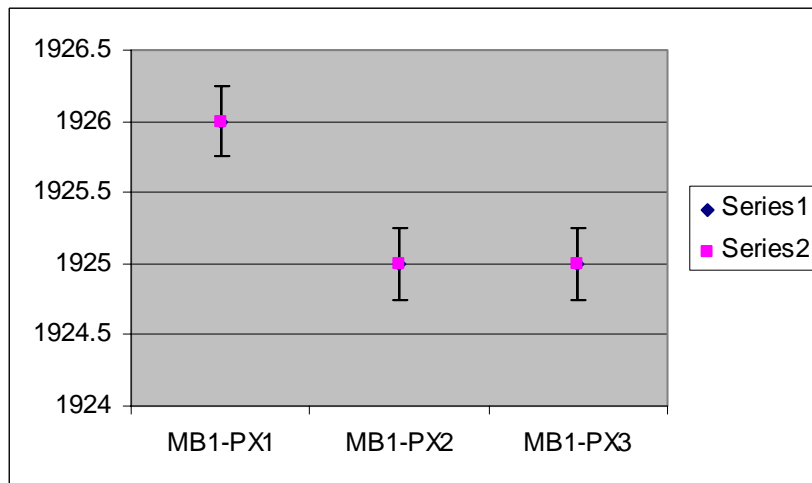
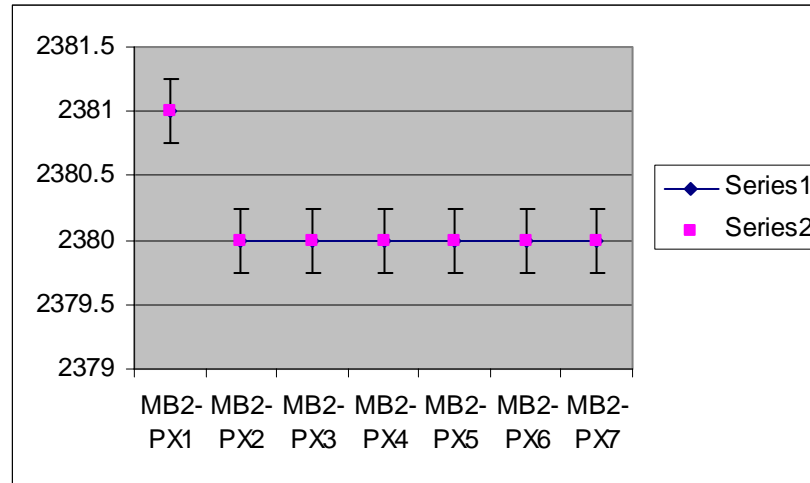


Width (mm)





D measurement (mm)



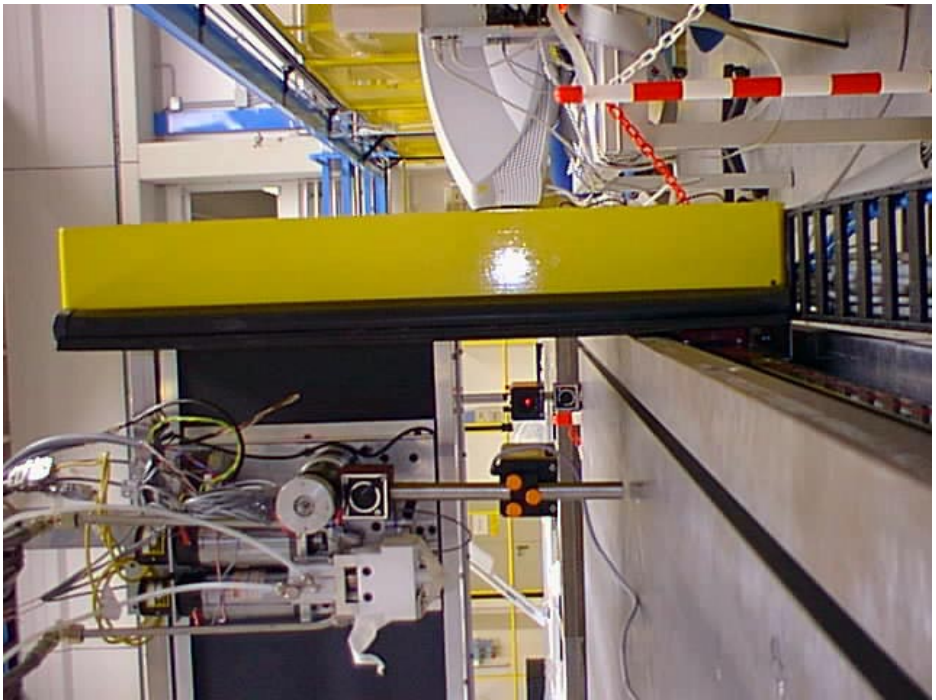
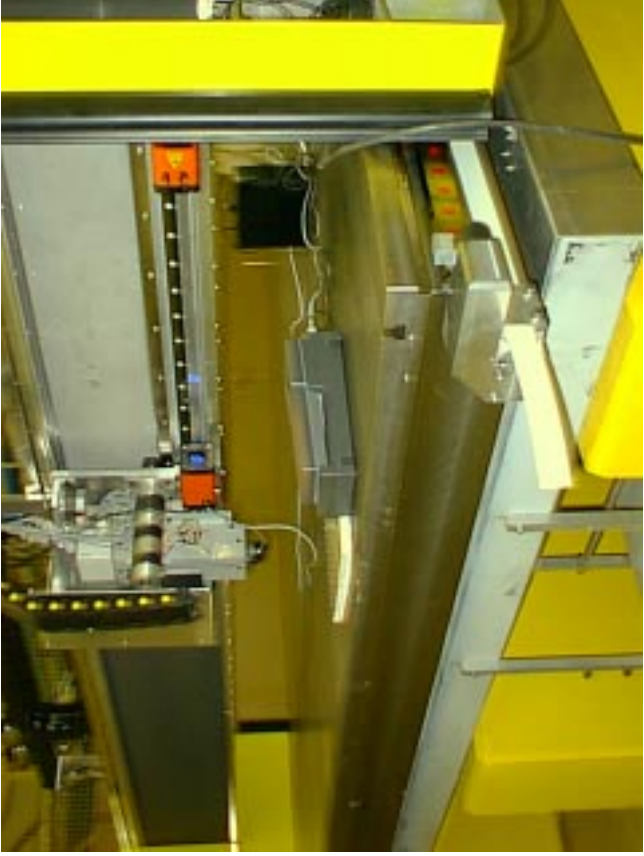
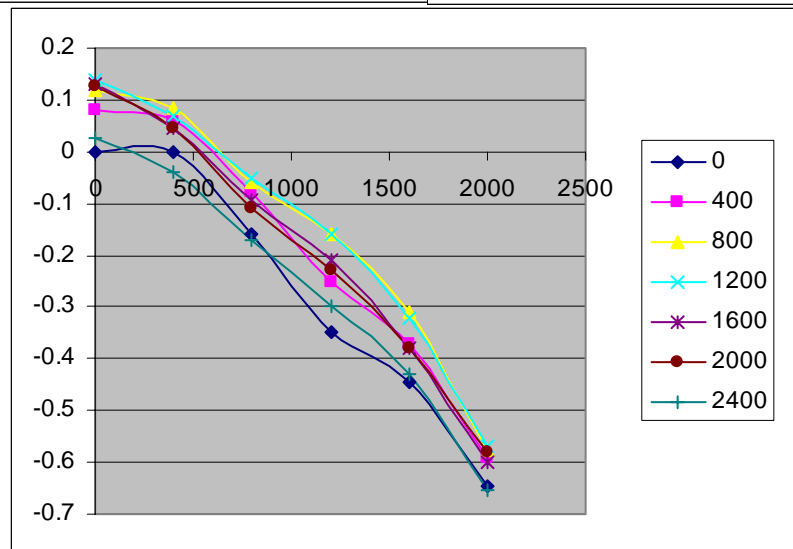
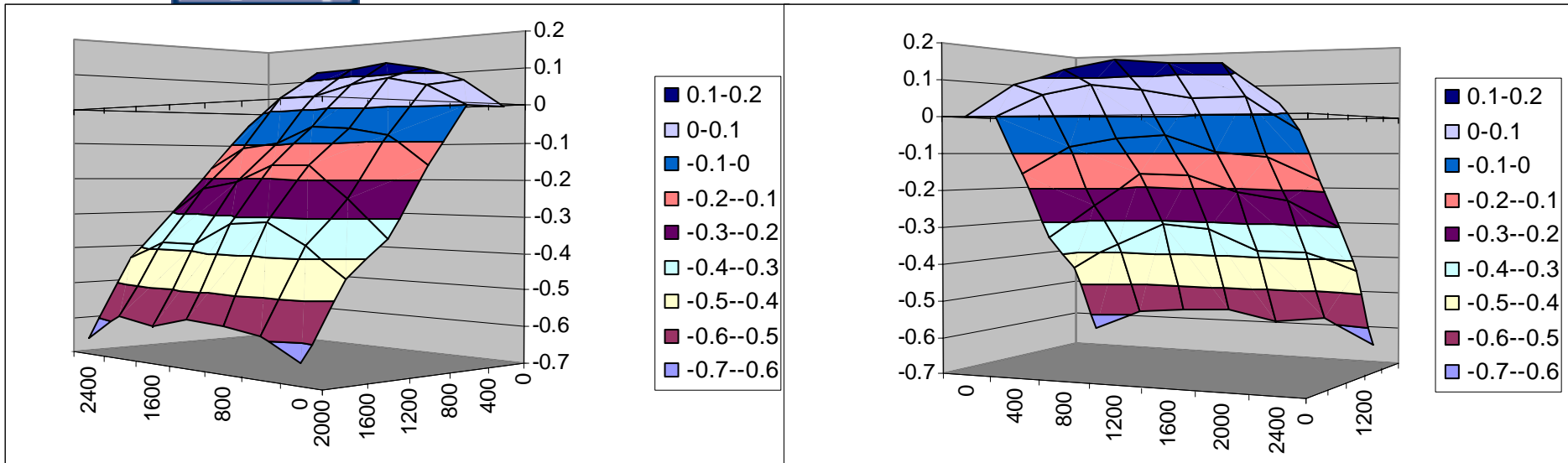


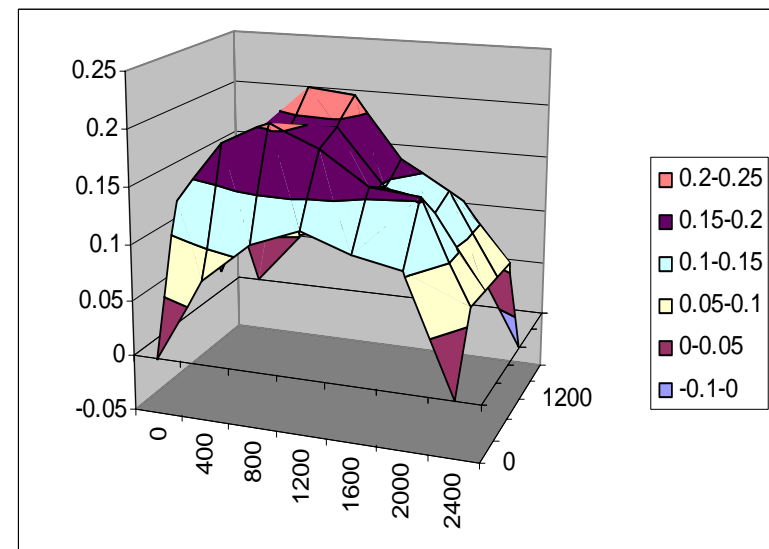
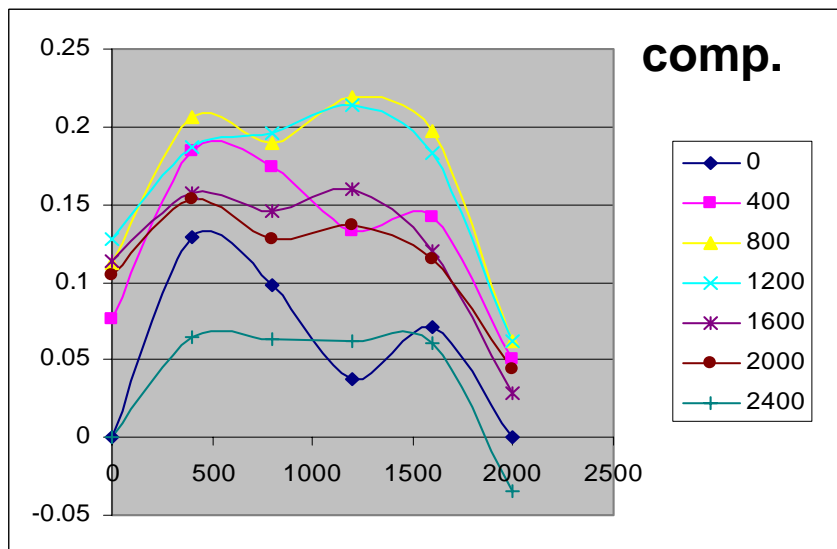
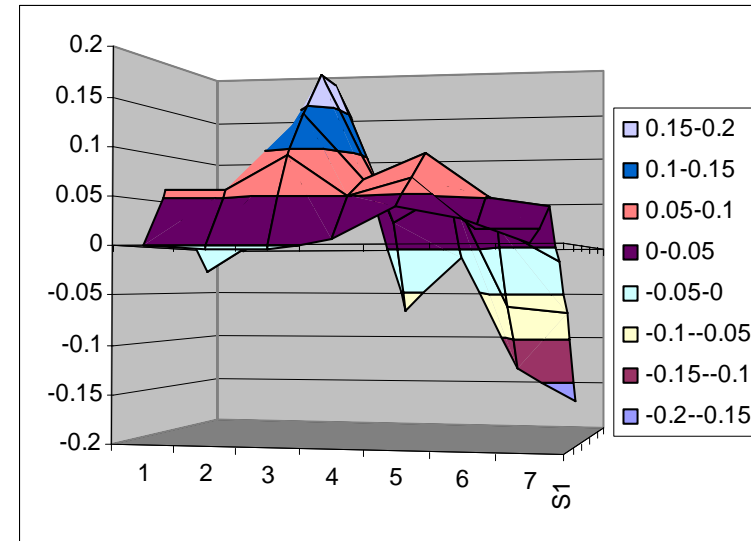
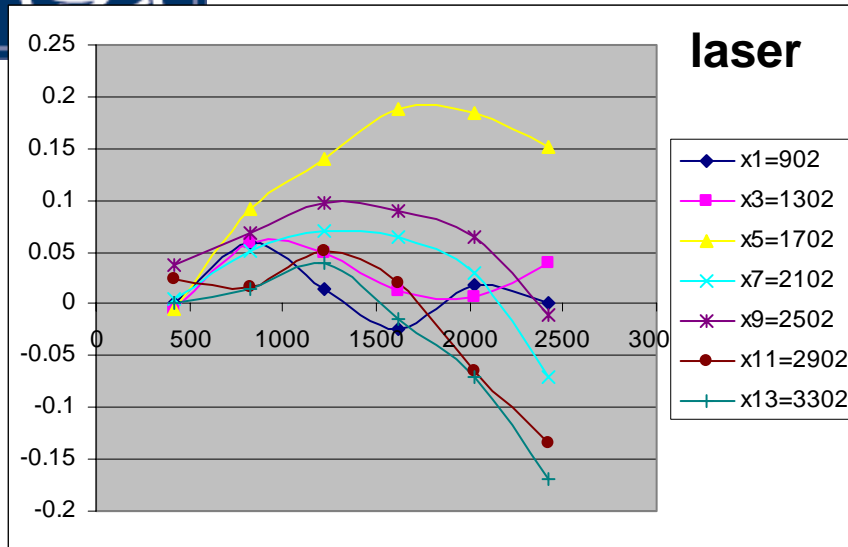


Table θ measurement with comparator



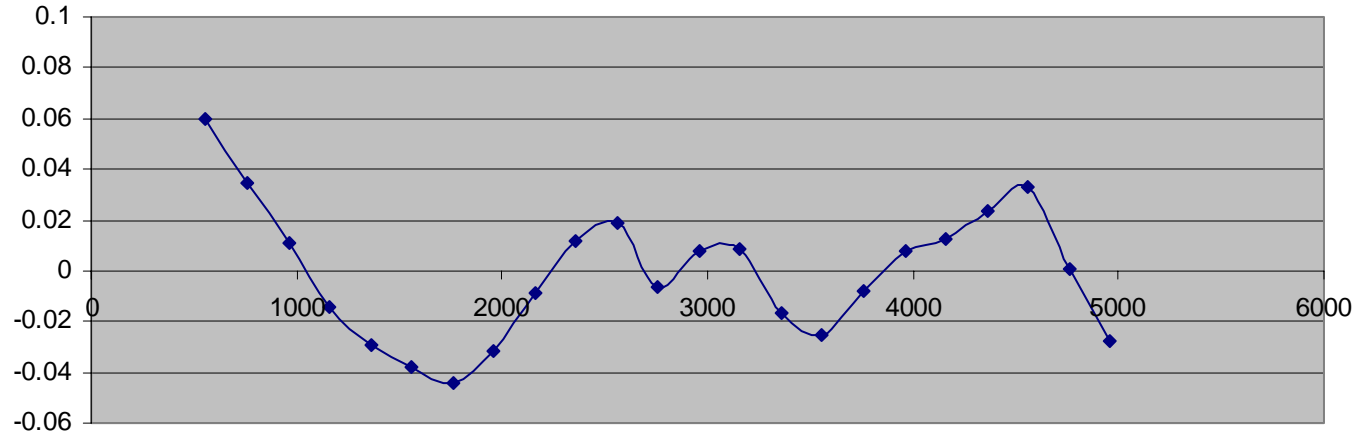


Comparison between laser and comparator (slope corrected) measurements for table θ

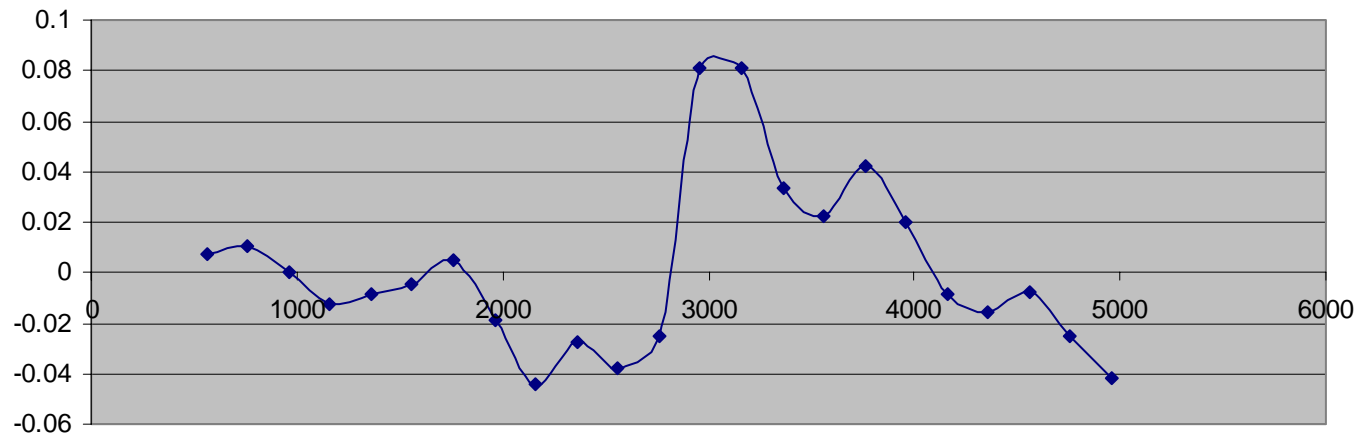


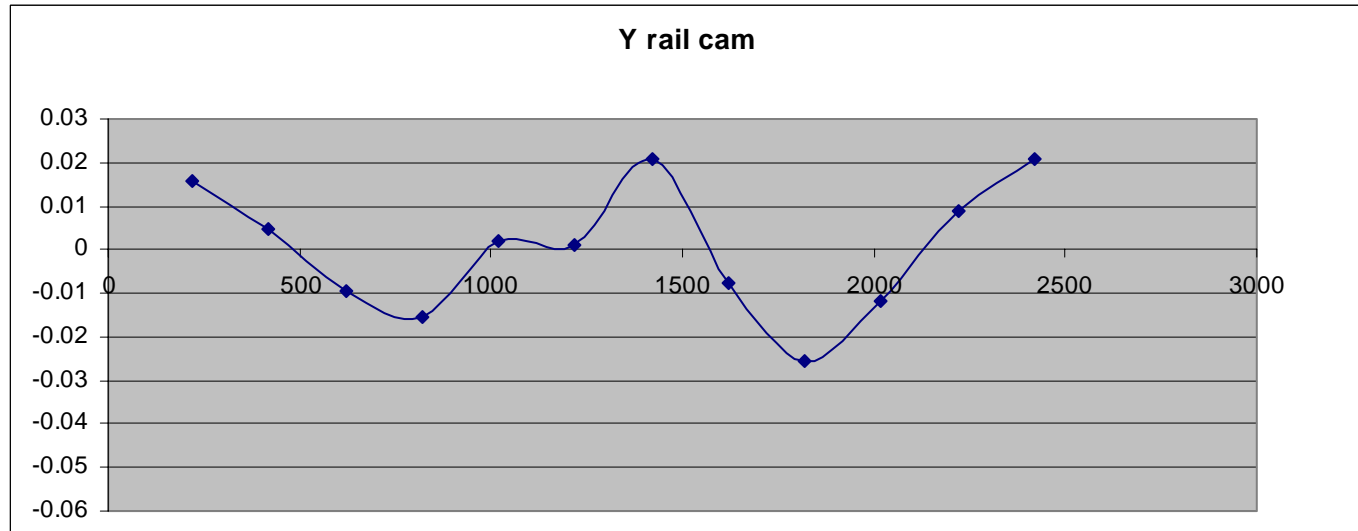
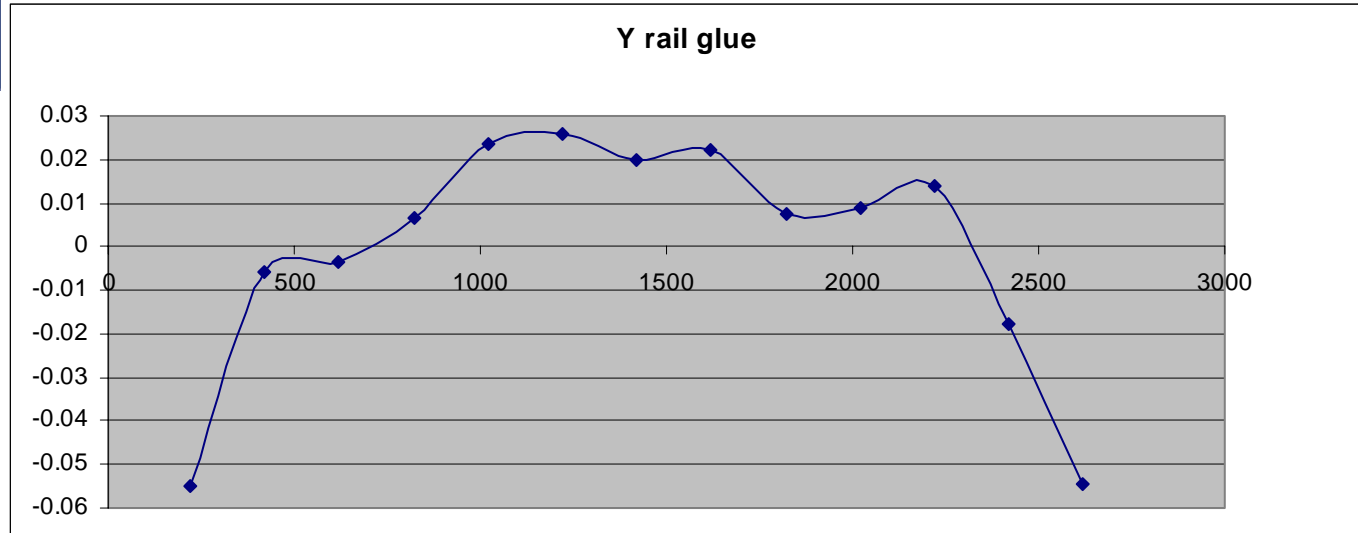


X rail PVLAS side



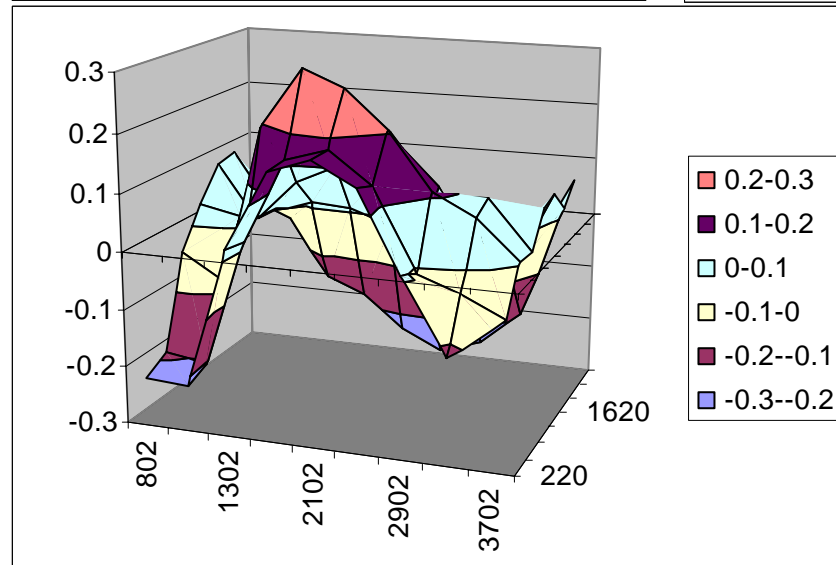
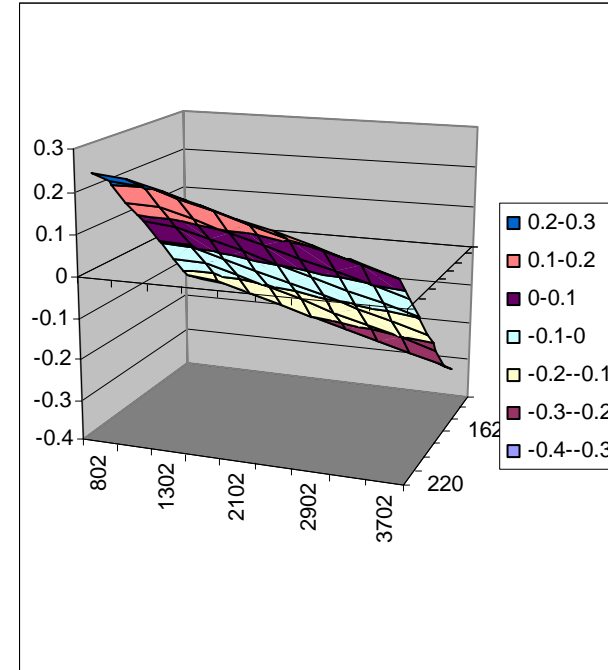
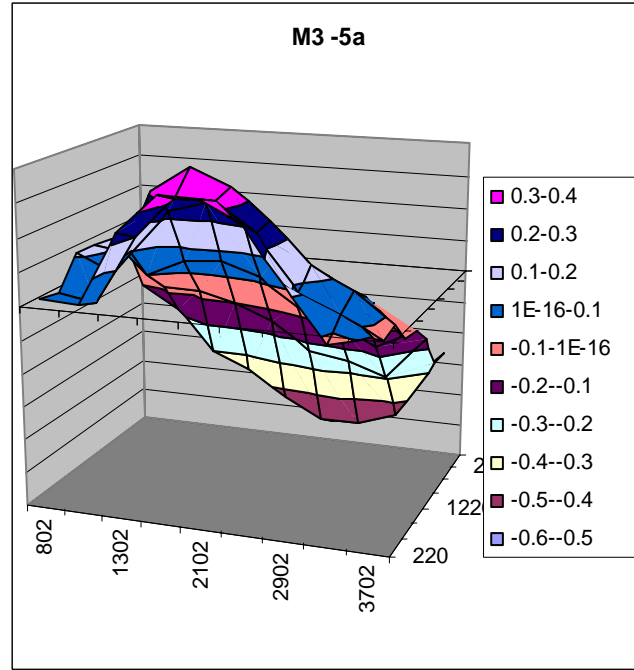
X rail PC side







Honeycomb data correction with the best plane





Distance for every surfaces between the higher and the lower point on the surface (mm)

