

LBT-WFI imager

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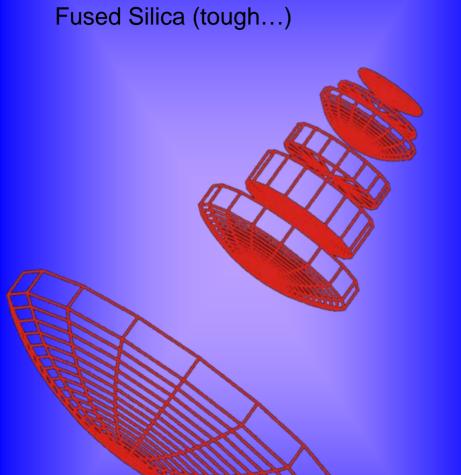


- In 1996..1997 a call for Second Generation Instruments for LBT
- Wide Field option in LBT was envisaged through a trapped Cassegrain Camera
- An heretic proposal by Prime Focus camera

 Padova and Rome of a
- Remember that from a Florentinian perspective Rome is deep South and Padova is part of the Austro-Hungaric empire
- The project run the risk to be marked as unfeasible, undesirable...
- In spite of this it passed as PI-instrument after a couple of year and a proposal with a D=1m lense and two aspheric surfaces...

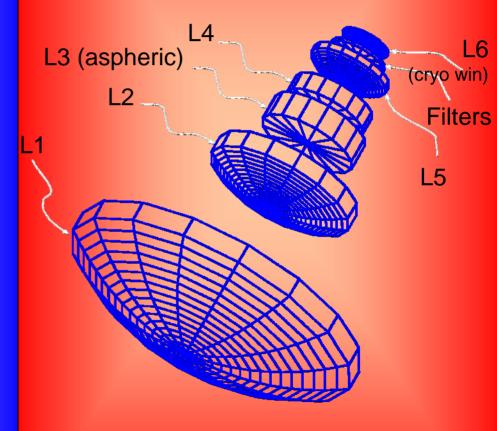
- Initially the spatial resolution is kept verrry moderate (about 1arcsec) and is provisionally named "Blured", but several dislikes this diminuitive approach...
- About 92 definitive optical designs leading to a D=0.82m big lens, one concave conical aspheric...
- Green light for Call for Tender for optics in about 2000...

Nominal optical quality 0.2" (tre is about 0.25")



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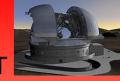
BK7 (easy...)



Two very similar optical design, optimized for UB (+V) and VRIZ...



Slumping of the Fused Silica blank...





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Welding of the hub rough structure



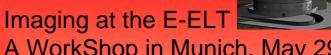










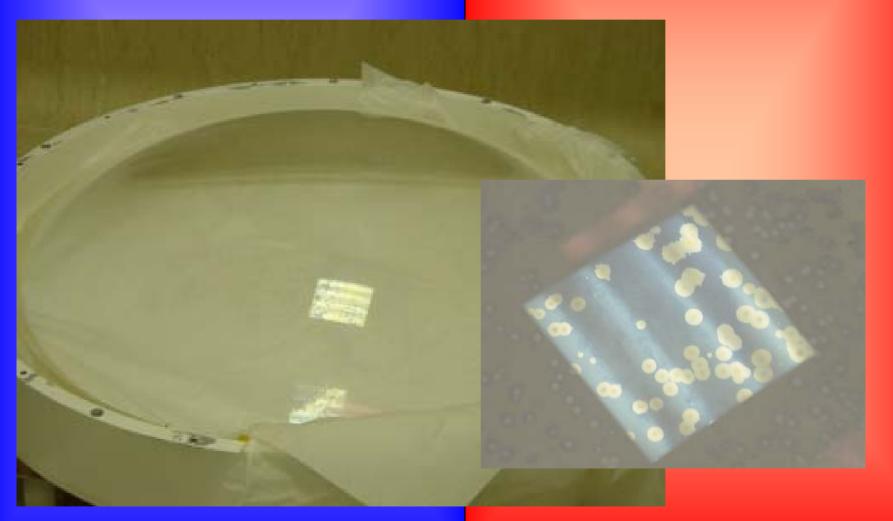








...and, the day the Italian State TV comes to make a footage of the big lens...



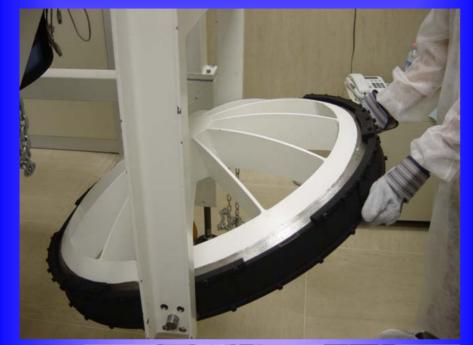


Daniel Moricaud & all the Reosc Sagem staff have been great in this affair...!!!!















Imaging at the E-ELT



Postcards sent around...



Happy New Year from the LBC optomechanics team



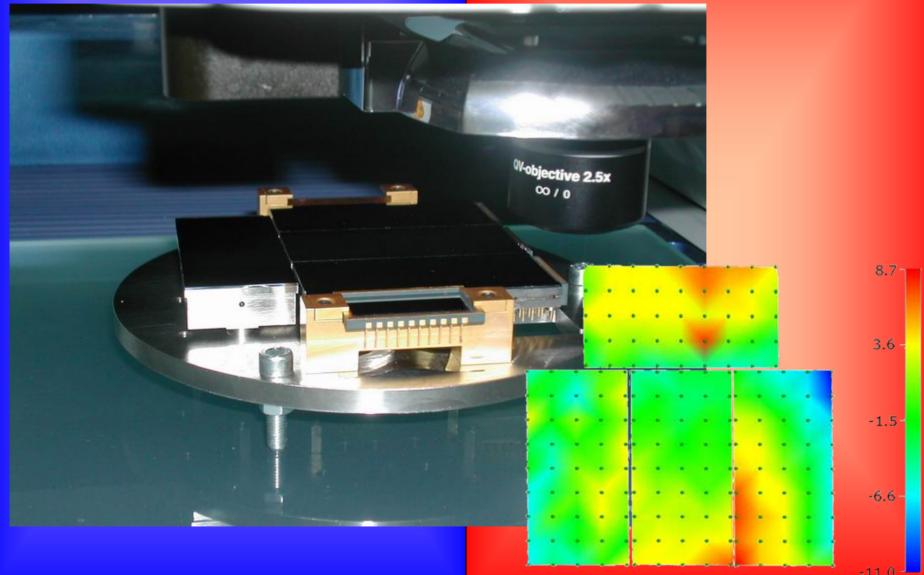




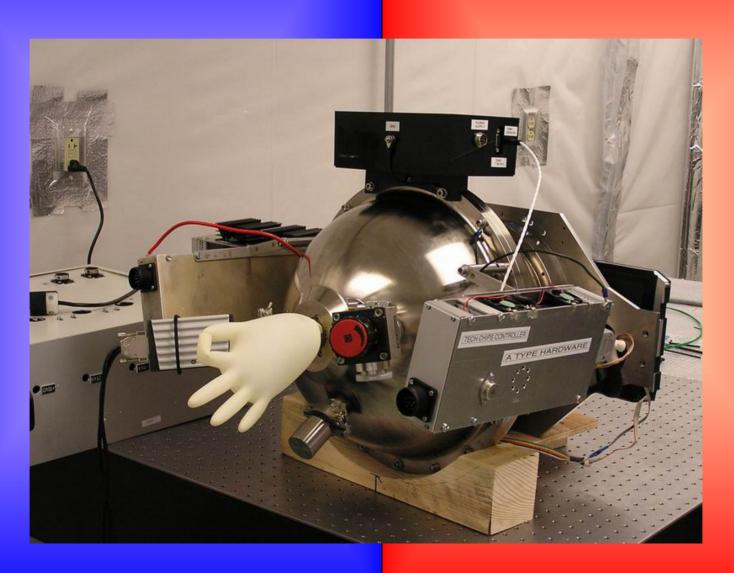


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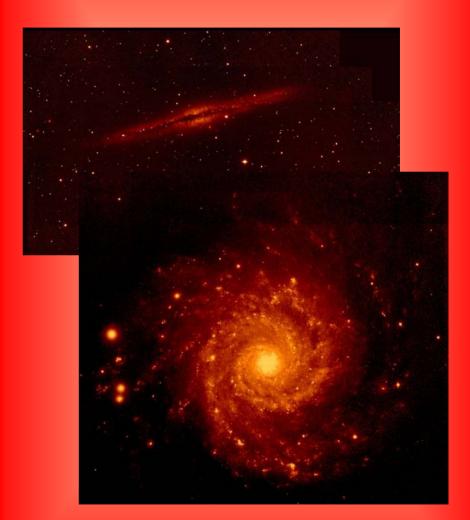


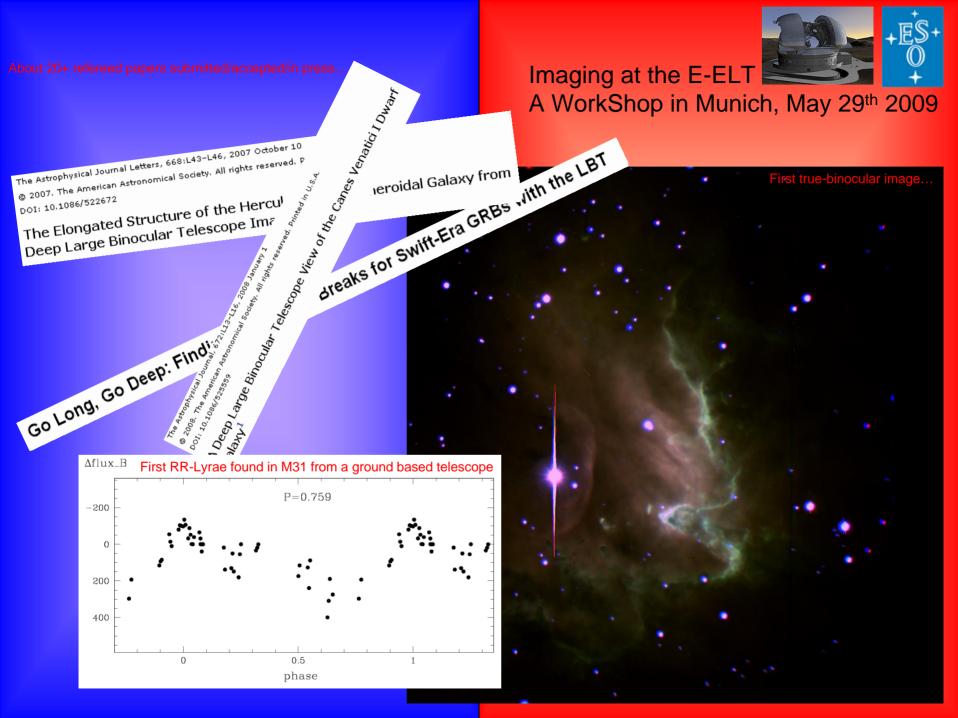
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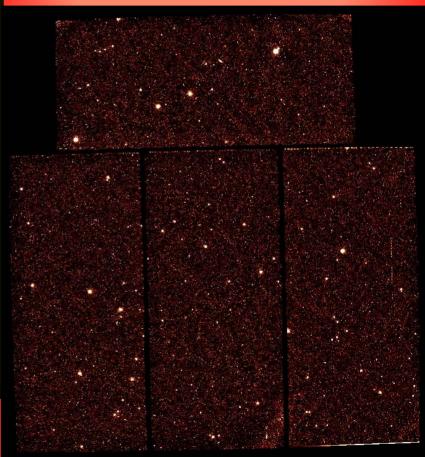








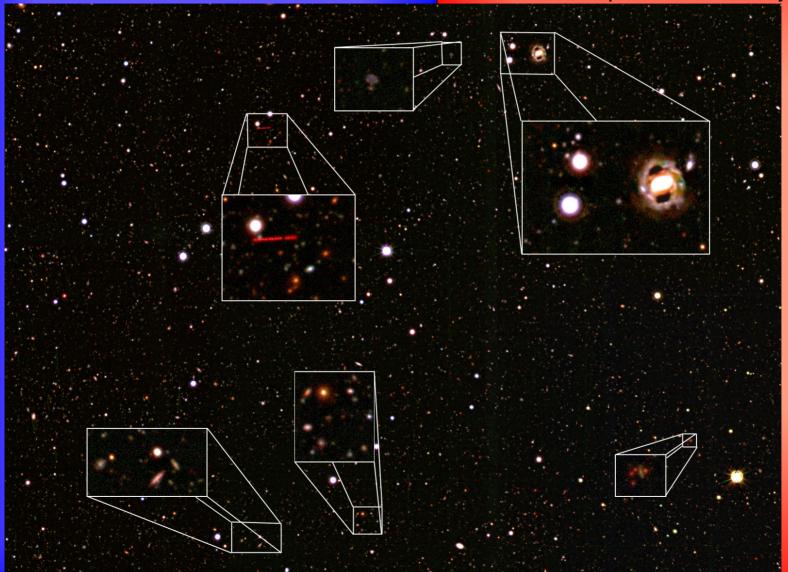




Peak performances: ~0.4arcsec in U --- 0.5arcsec in V

Subaru deep field (11.6h in U band)









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