



Optics maintenance

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Maintenance workshop

- What is requested by Jose Miguel
 - Amount of preventive interventions expected per year
 - Number of persons and hours needed
 - Type of personnel required: Expert/Local Engineer/hired company
 - Is it possible to hire MPI for expert interventions?
 - Is it possible to estimate the cost?
- So nothing about corrective maintenance, which is in fact dominating our works now
- For further details and corrective maintenance, See [LSTMirroMaintenance_v20190715.pdf](#) and/or slides shown in the Rijeka meeting (on 9 Jul 2019)

Preventive maintenance



- Mirrors, IF plates, actuators, CMOS, facet cables
 - Eye inspection, preferably together with the dish structure
 - once per year, 2 days (8 hours) x 2 person
 - Hired company could do the job if experienced like CaSana
 - Cost (only for mirrors and IF plates): After the storm in Feb, it cost ~1.3k euros to inspect the telescope
- AMC boxes
 - Eye inspection, or more (e.g. measuring currents of power supplies)
 - once per year, 4 hours x 1 person
 - Expert. So far always from MPI (though Japan cannot directly "hire" someone in MPI. It is happening only through Masahiro). Preferably we need (and are about to get?) more manpower in Europe with optics experiences. LP postdocs is also an option, but not hired company.
- PSF camera
 - Eye inspection. Maybe need to clean the window of the box
 - Once per year. Should be arranged with others in the dish center