

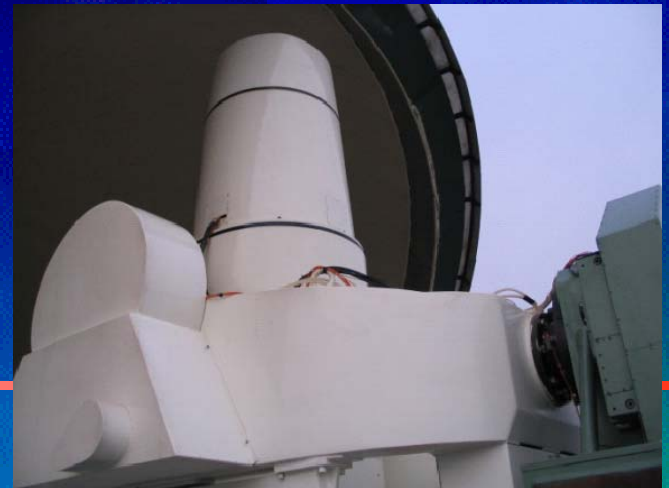
An Experimental Photometry of Rocket Bodies

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Background



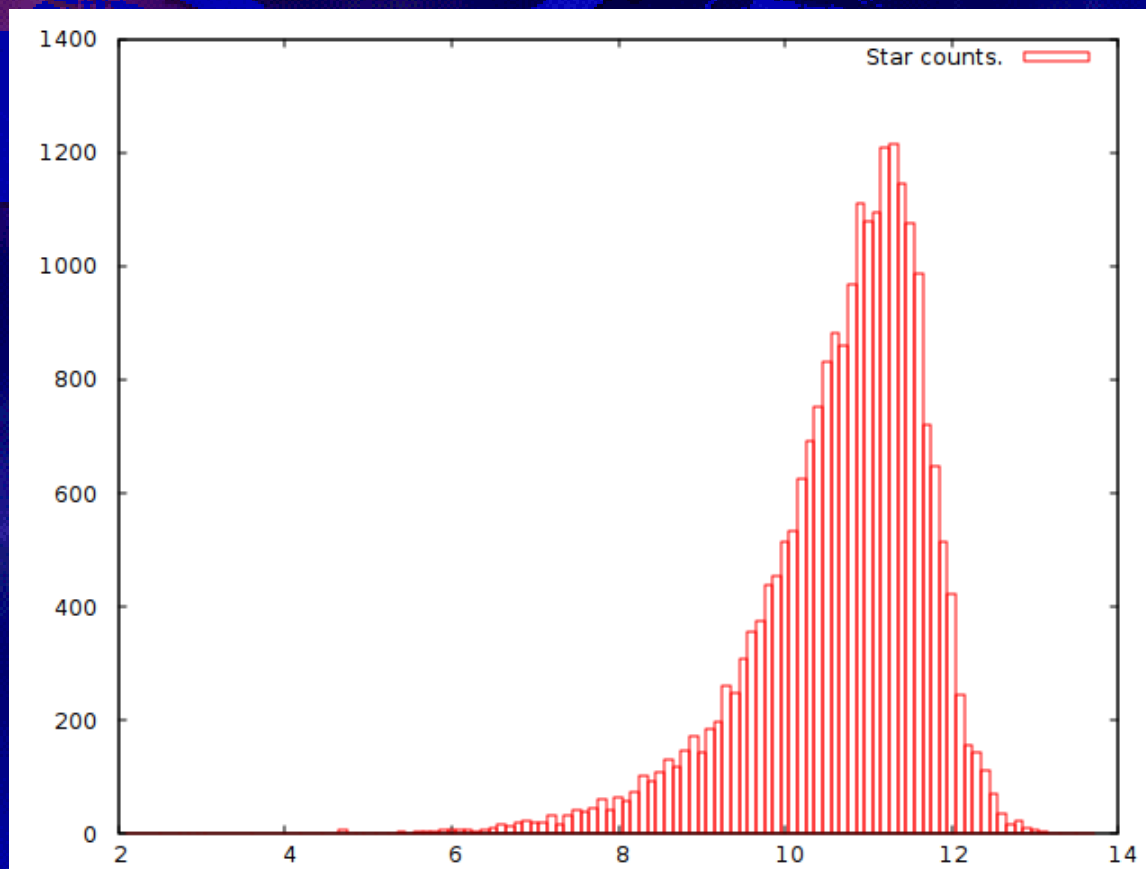
- Photometry could give information about space deris' tumbling that ADR need
- We want to do some photometry
- Updating of 65cm telescope has not been finished
 - Filter system
 - Camera replacement



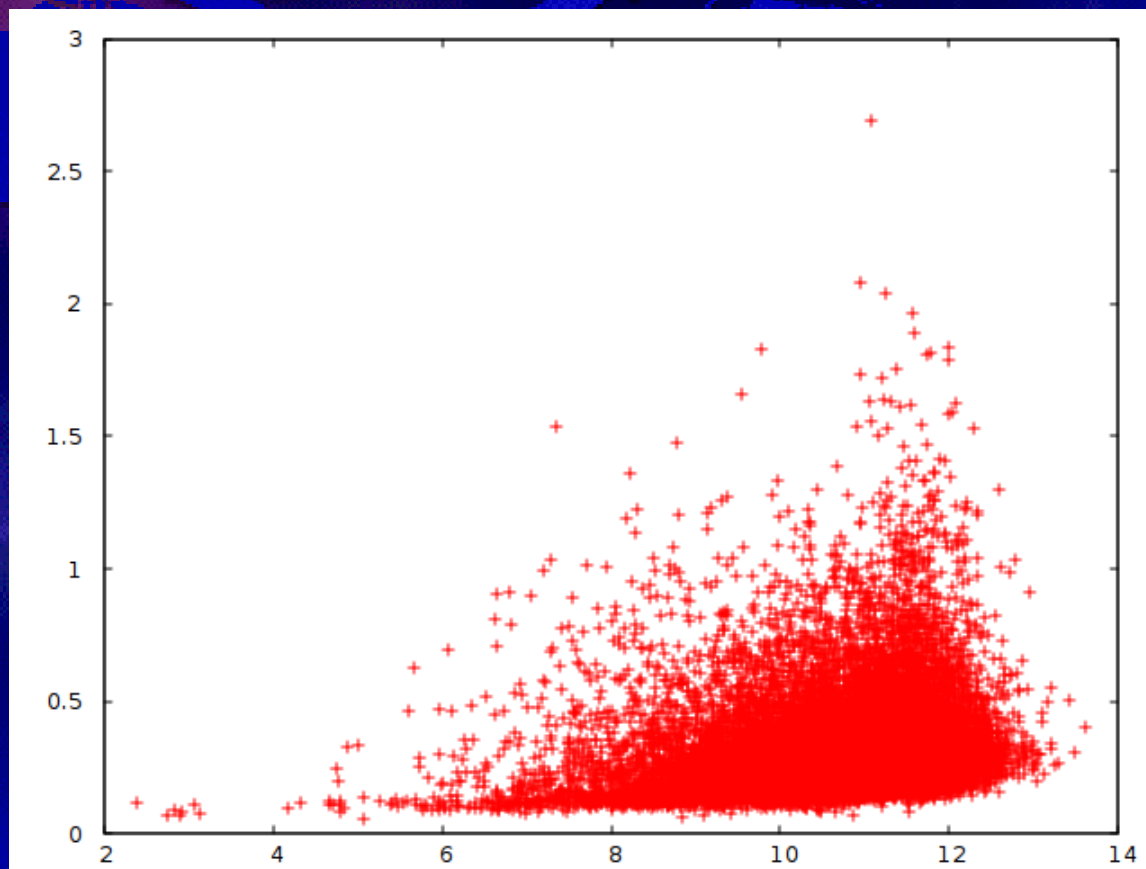
Do some test

- Several small telescopes
- Apertures: 15cm~40cm
- Exposures: 50~200ms
- Frame rates: about 1.5s per frame

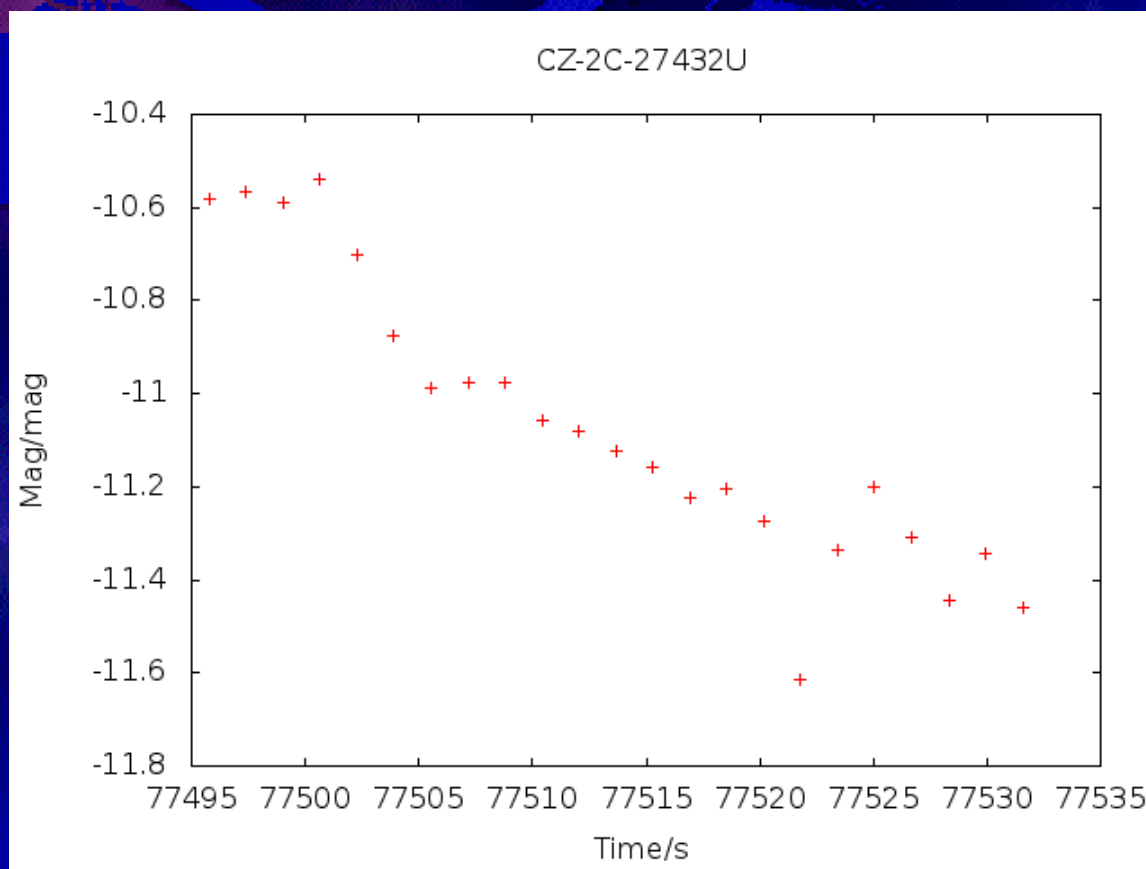
Observing limits

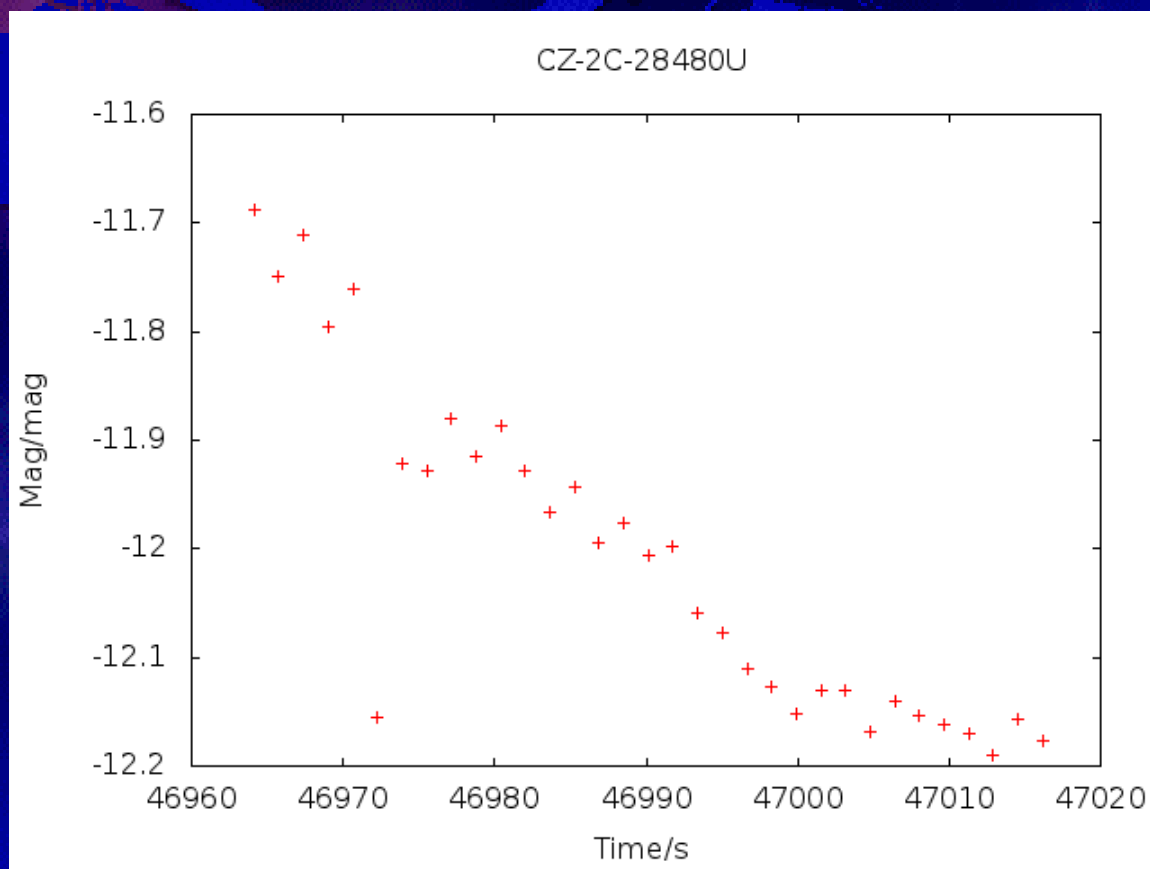


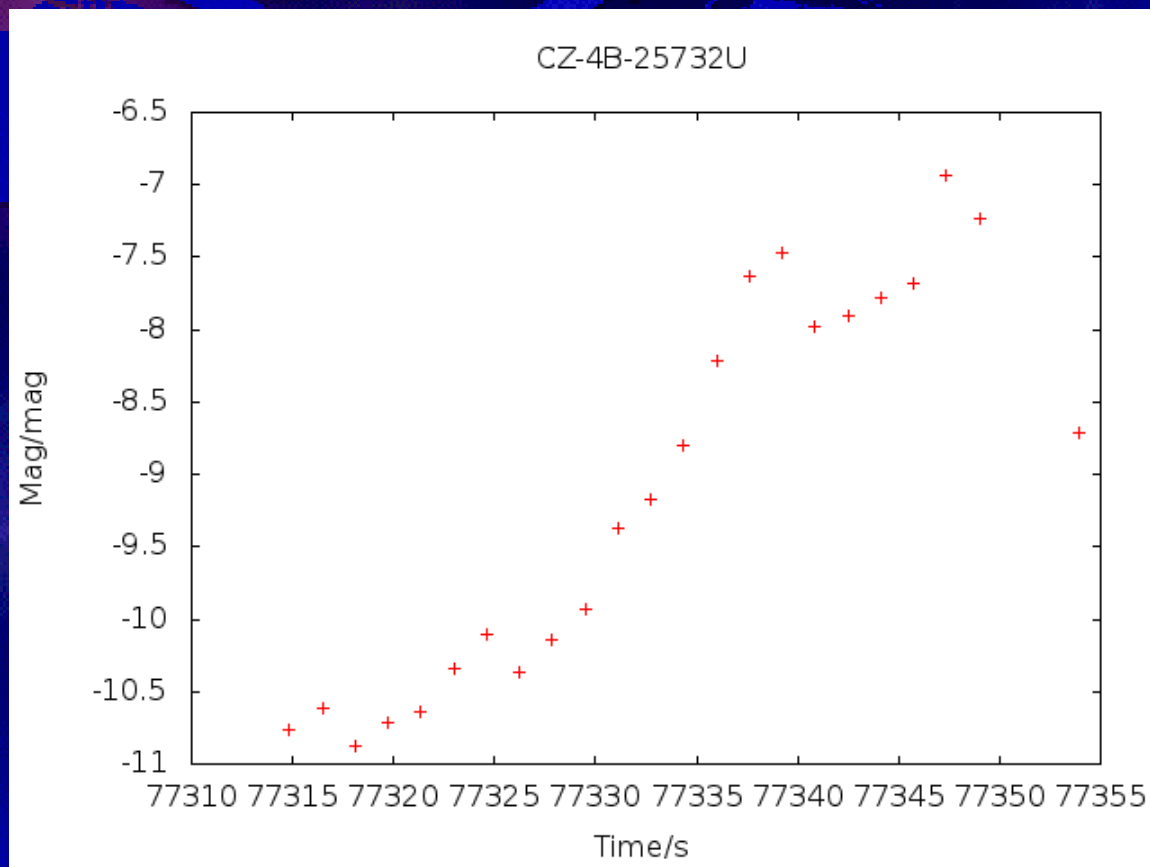
Measuring precision

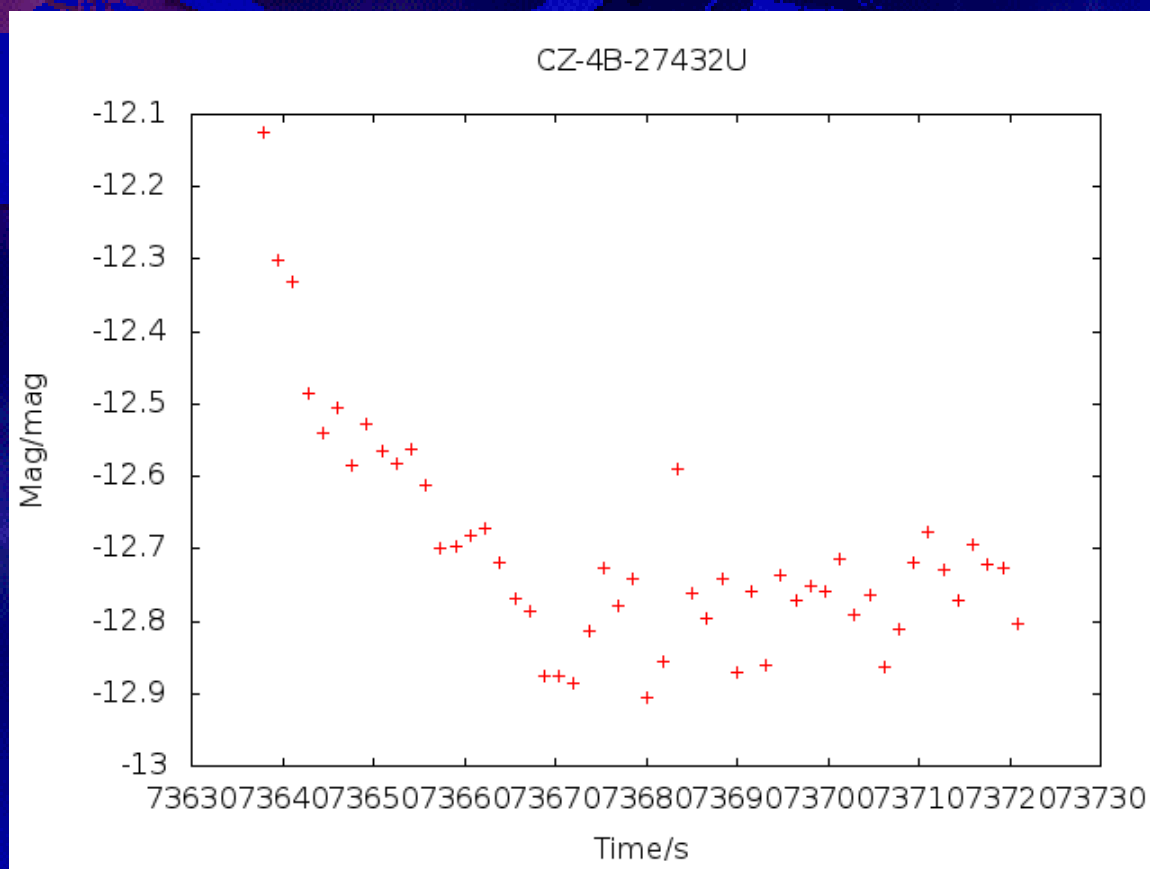


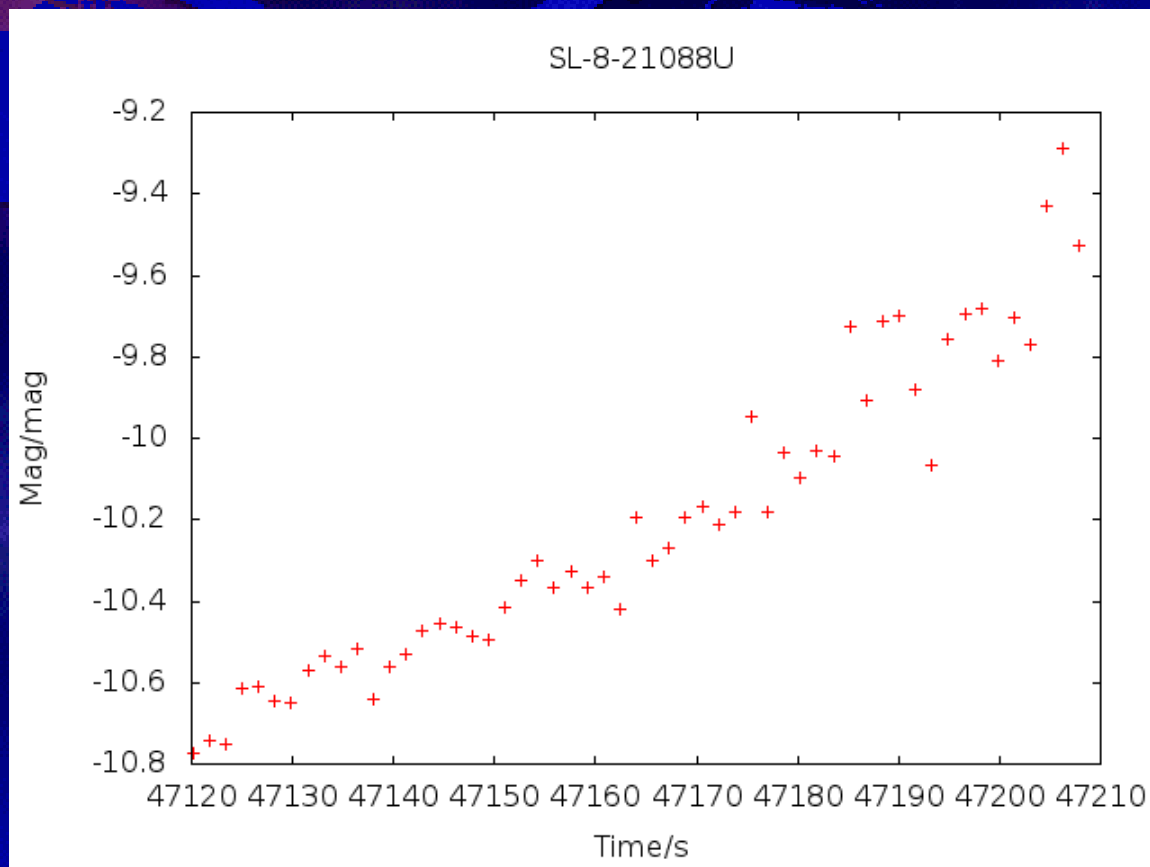
Some light curves











Future works

- Analysis of light-curve
- How to determin the tumbling rates
- Faster frame frequency
- Better accuracy
- More observation



Thanks for your attention