Astro Analogue Video (AAV)

Hristo Pavlov

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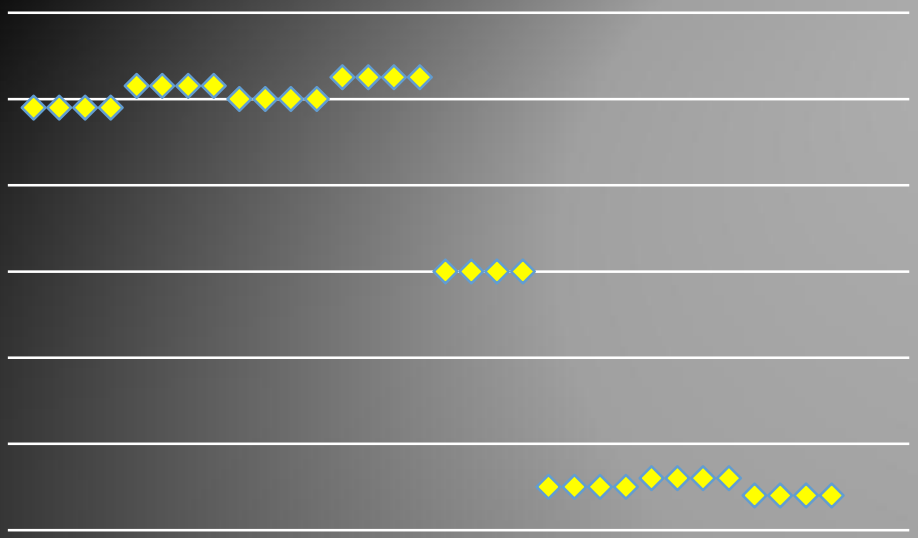
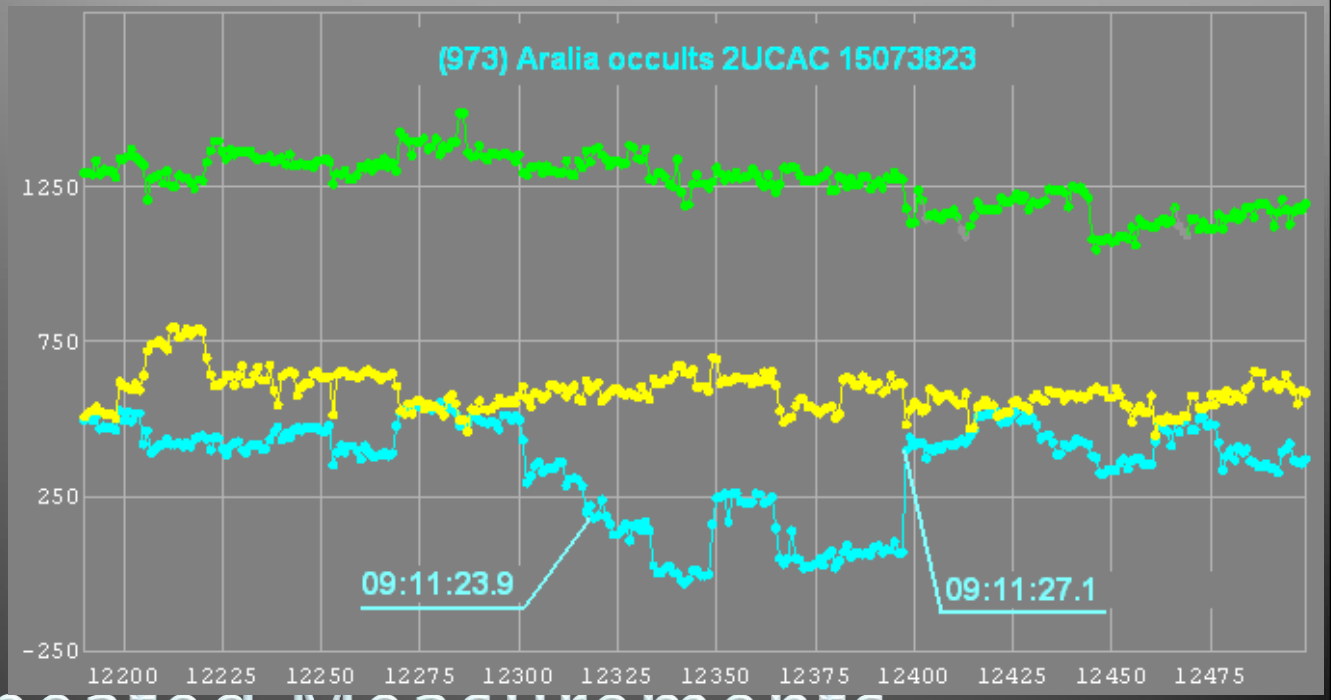
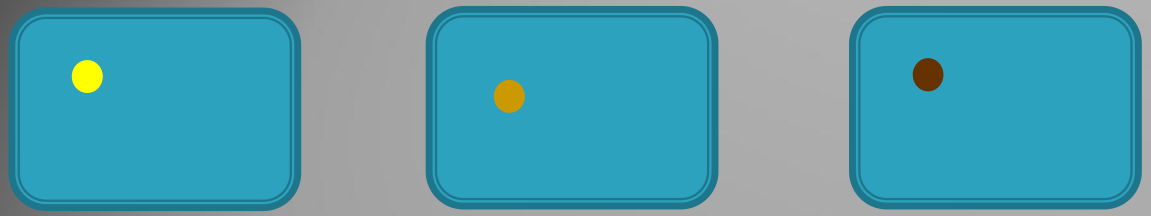
Issues with AVI files

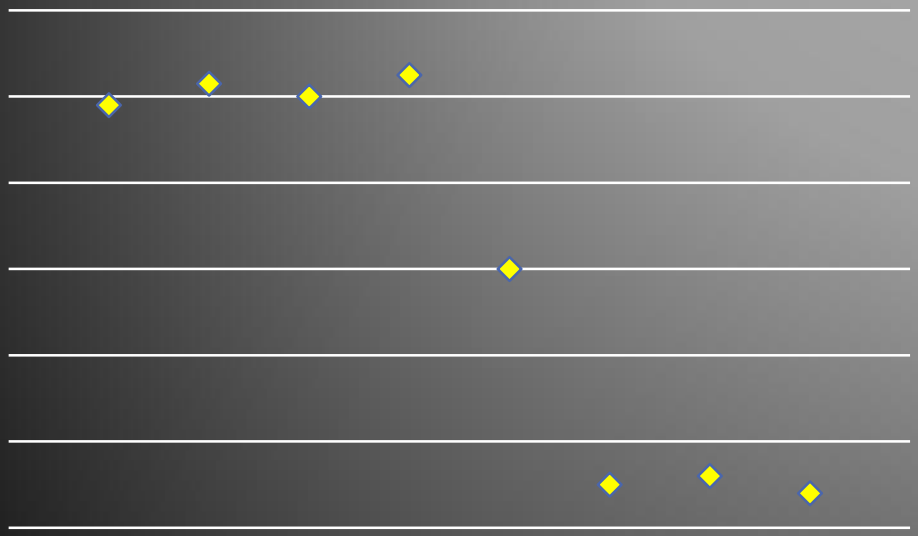
- Repeated information
- Larger file size
- Measurement challenges, including binning

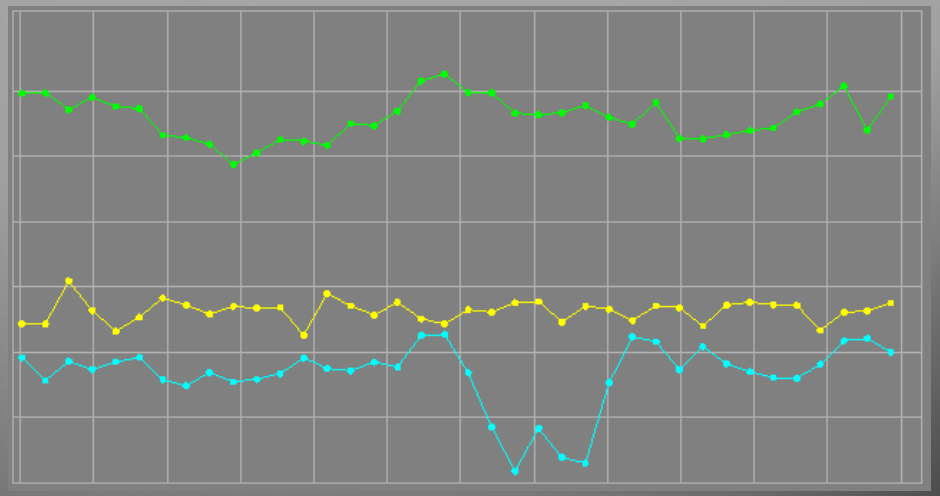




Repeated Measurements







Measurements – Software Binning

P9 13:09:23 4795 84316

P9 13:09:23 4995 84317

P9 13:09:23 5195 84318

P9 13:09:23 5395 84319

P9 13:09:23 5595 84320

P9 13:09:23 5795 84321

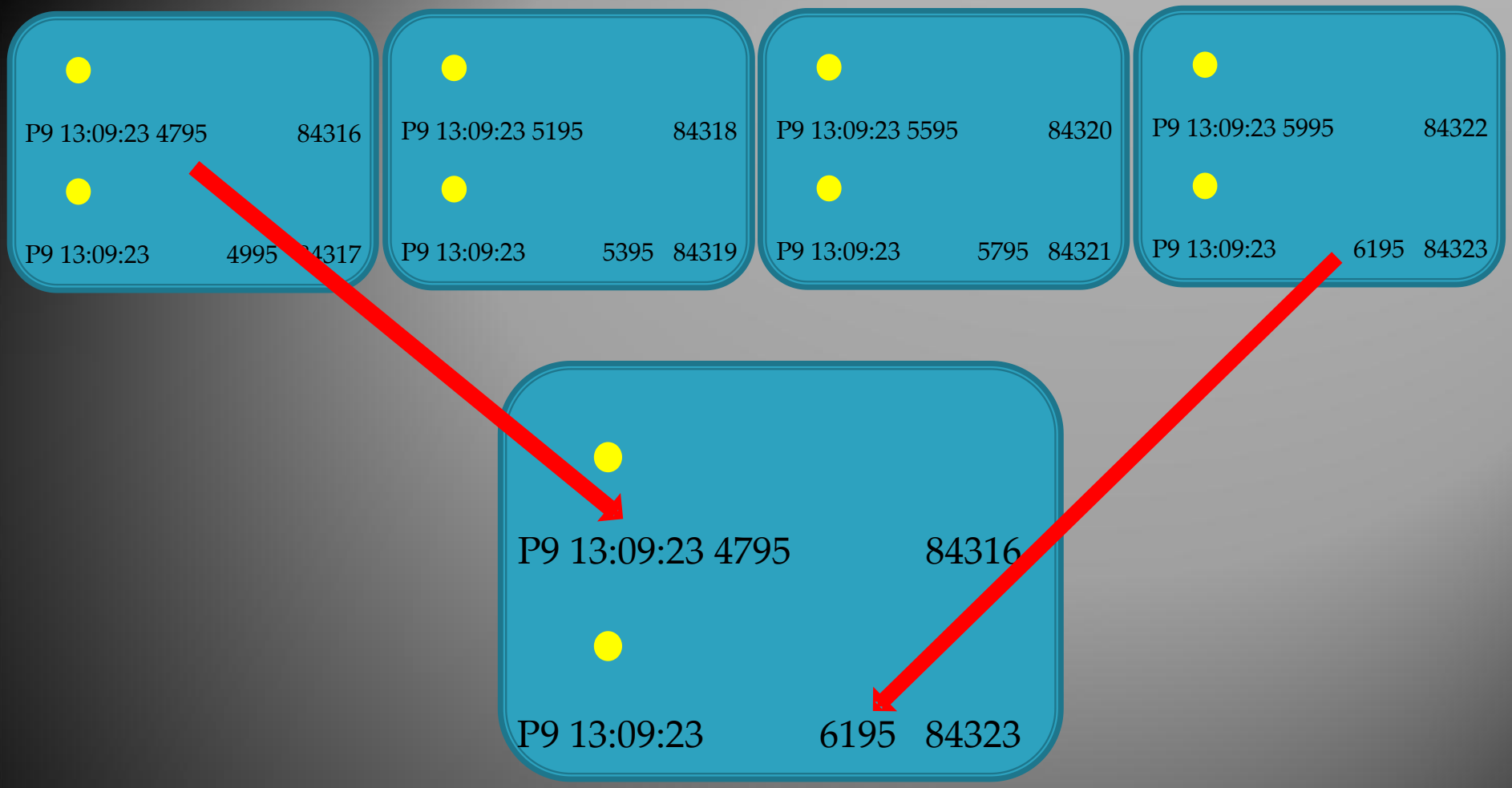
P9 13:09:23 5995 84322

P9 13:09:23 6195 84323

P9 13:09:23 4795 84316

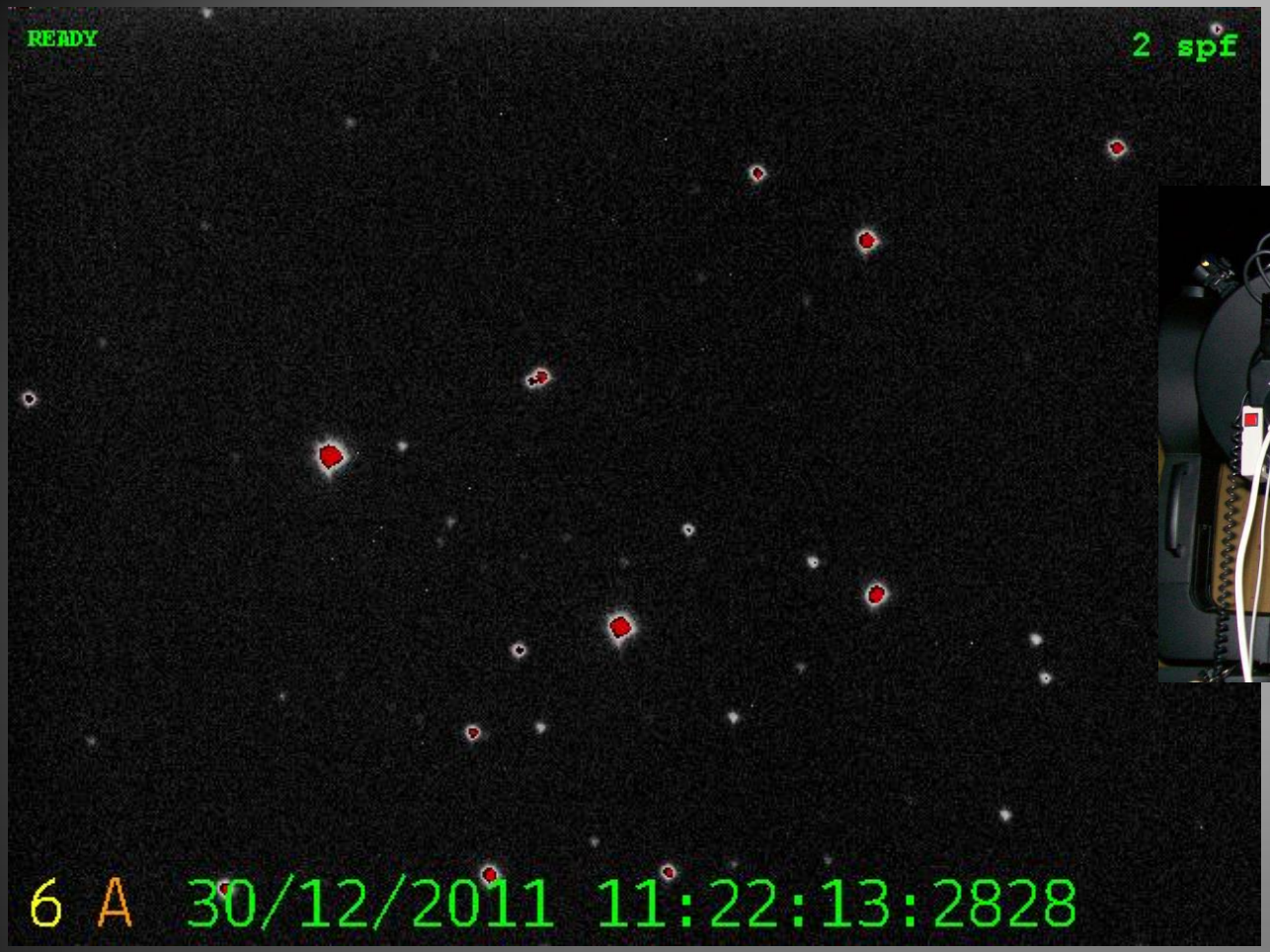
P9 13:09:23 4995 84317

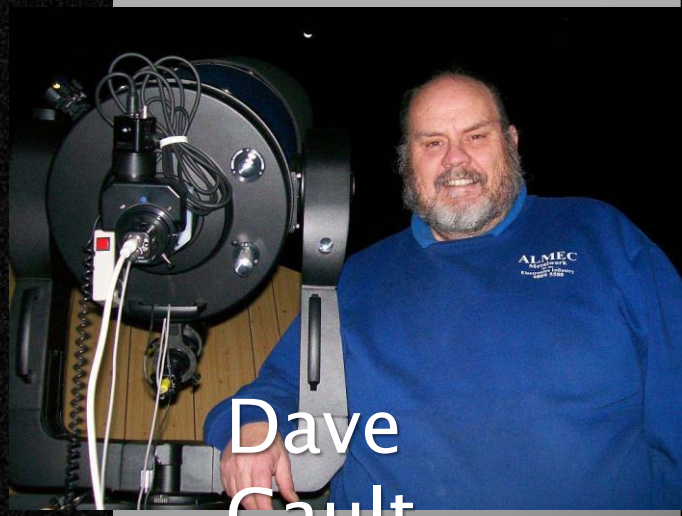
Recording Time Binning or Averaging

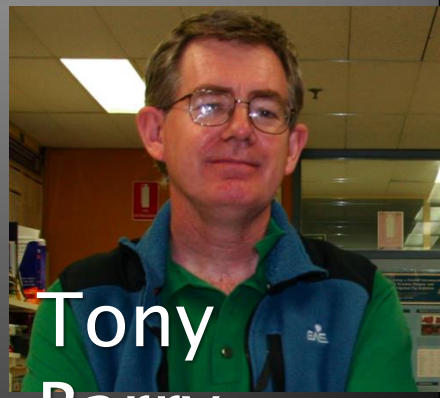


Composing a Clear Timestamp

Preserving VTI-OSD Lines

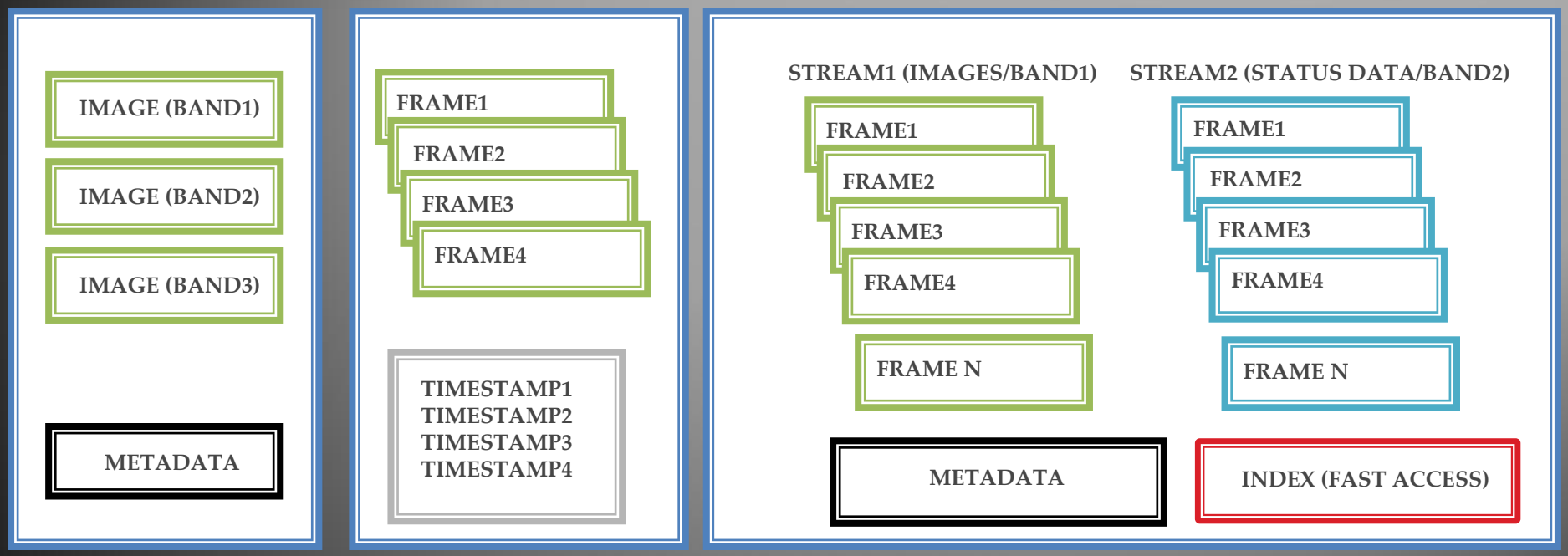




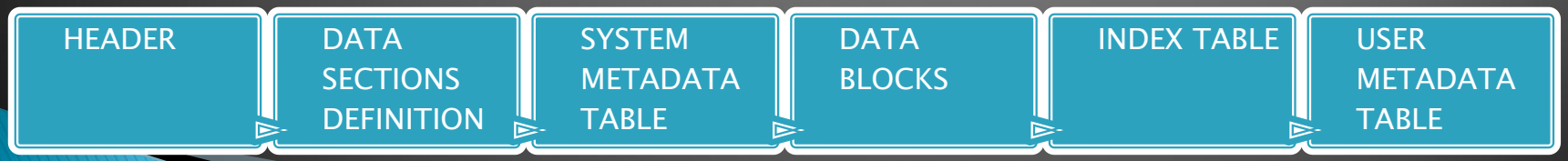


ADVS to the rescue…

ADV File Format



Astro Digital Video (ADV) File Structure



http://www.astrodigitalvideoformat.org/

Demo

OccuRec in Action

Integration Detection in OccuRec

- Algorithm – Automatic Detection
- Calibration and Adjustments
- Algorithm – Manual Integration Rate
- Integration Rates of x1 and x2

Demos

Generating AAV files in Tangra

Working with AAV files in Tangra

Usage of ADV/AAV files

- ADVLib in C++ & C# for recording and reading files
- ADVLib in plain C for embedded recorders

Questions?

http://www.hristopavlov.net/OccuRec