

KHz Data Capture, Visualisation, Processing And Storage With Standard Computer And Standard OS

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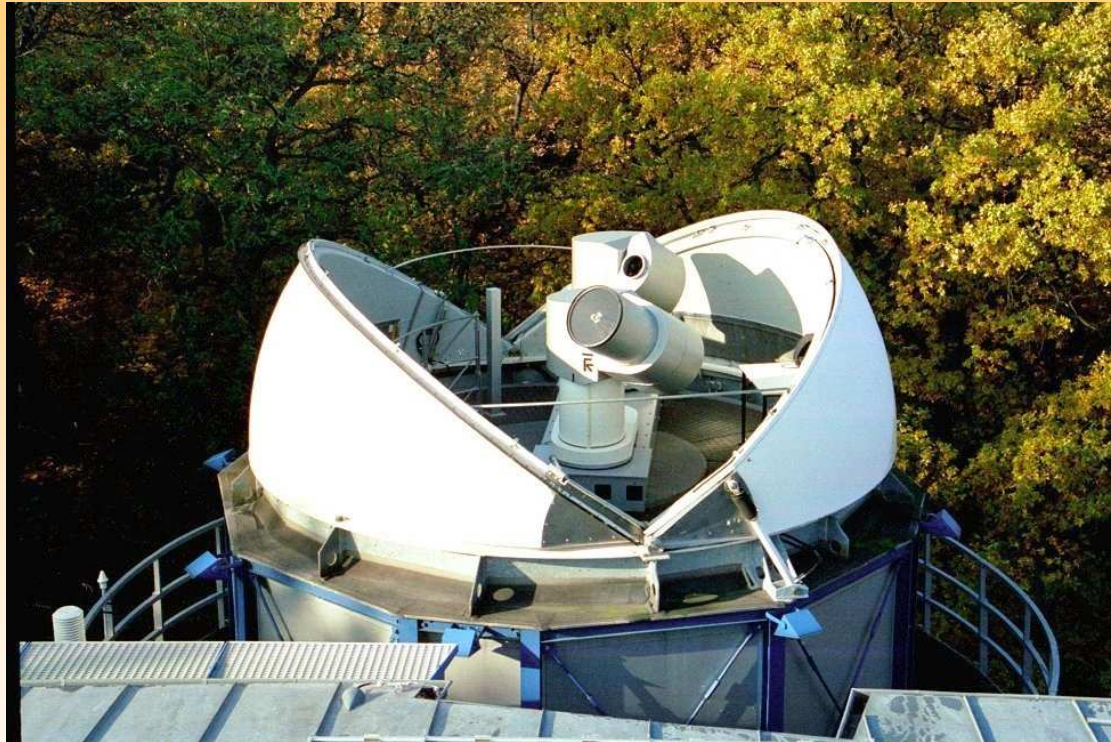


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What do we have?

- Twin Telescope



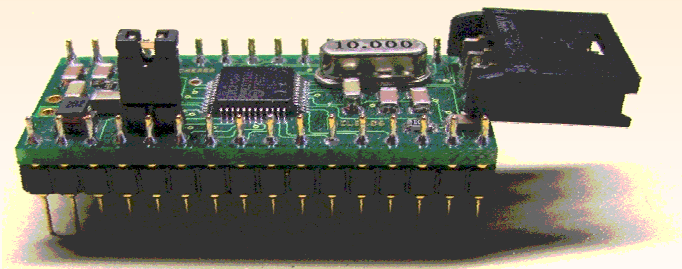
What do we have?

- Twin Telescope
- A032ET



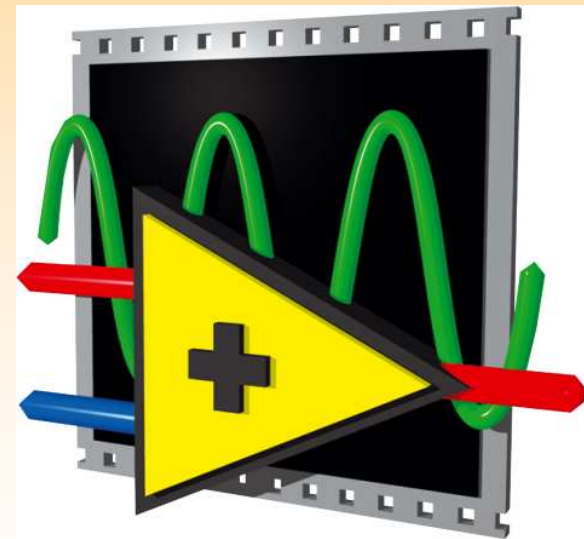
What do we have?

- Twin Telescope
- A032ET
- Competence in electronics and microcomputers



What do we have?

- Twin Telescope
- A032ET
- Competence in electronics and microcomputers
- Competence in LabVIEW



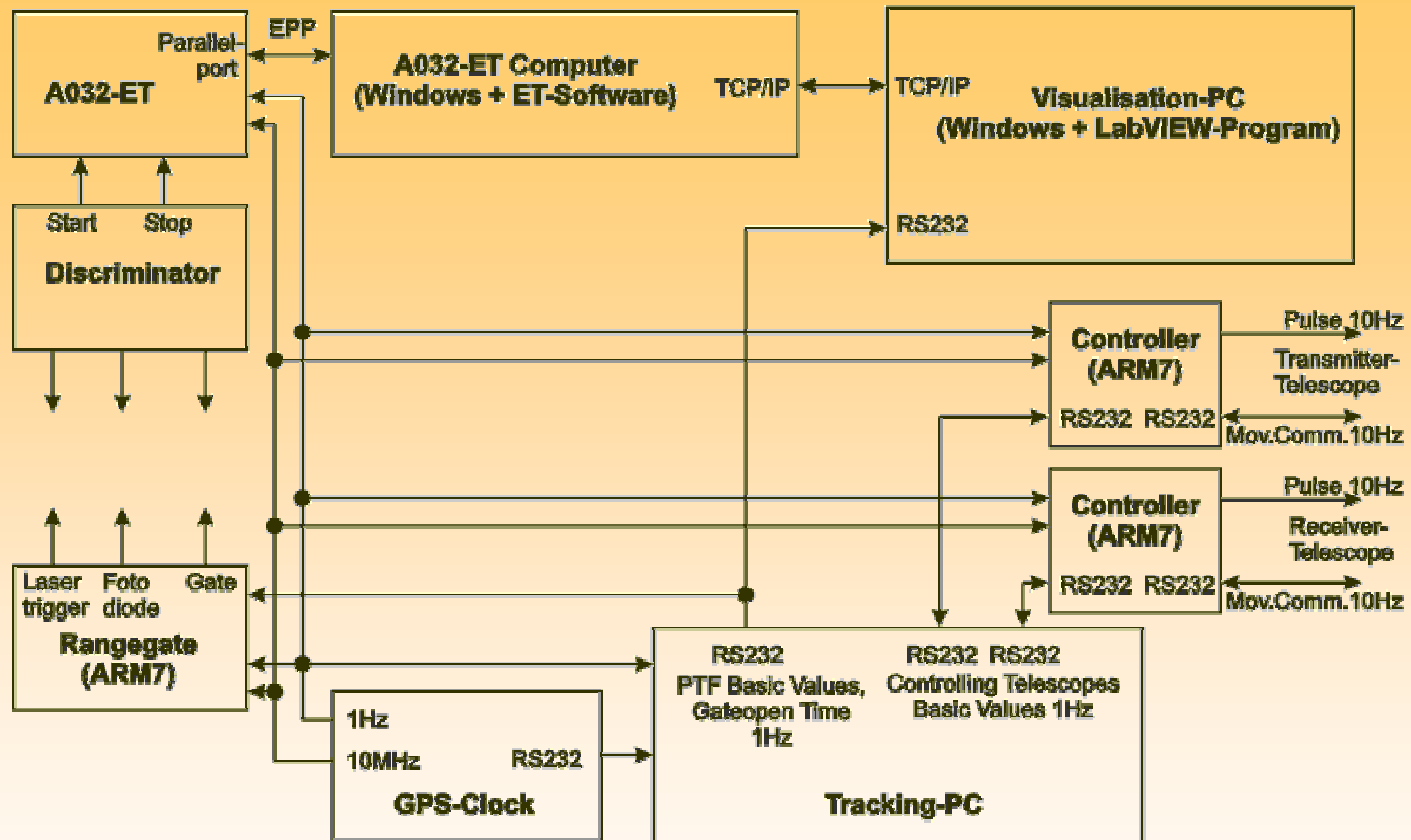
What do we have?

- Twin Telescope
- A032ET
- Competence in electronics and microcomputers
- Competence in LabVIEW
- Rule and good friends



What do we need?

- KHz-Laser
- Appropriate photo diode
- Rangegate
- Concept for interconnection
- New software for all components
- A lot of optimism



Scheme of KHz-SLR-Station at GFZ Potsdam

Testserver

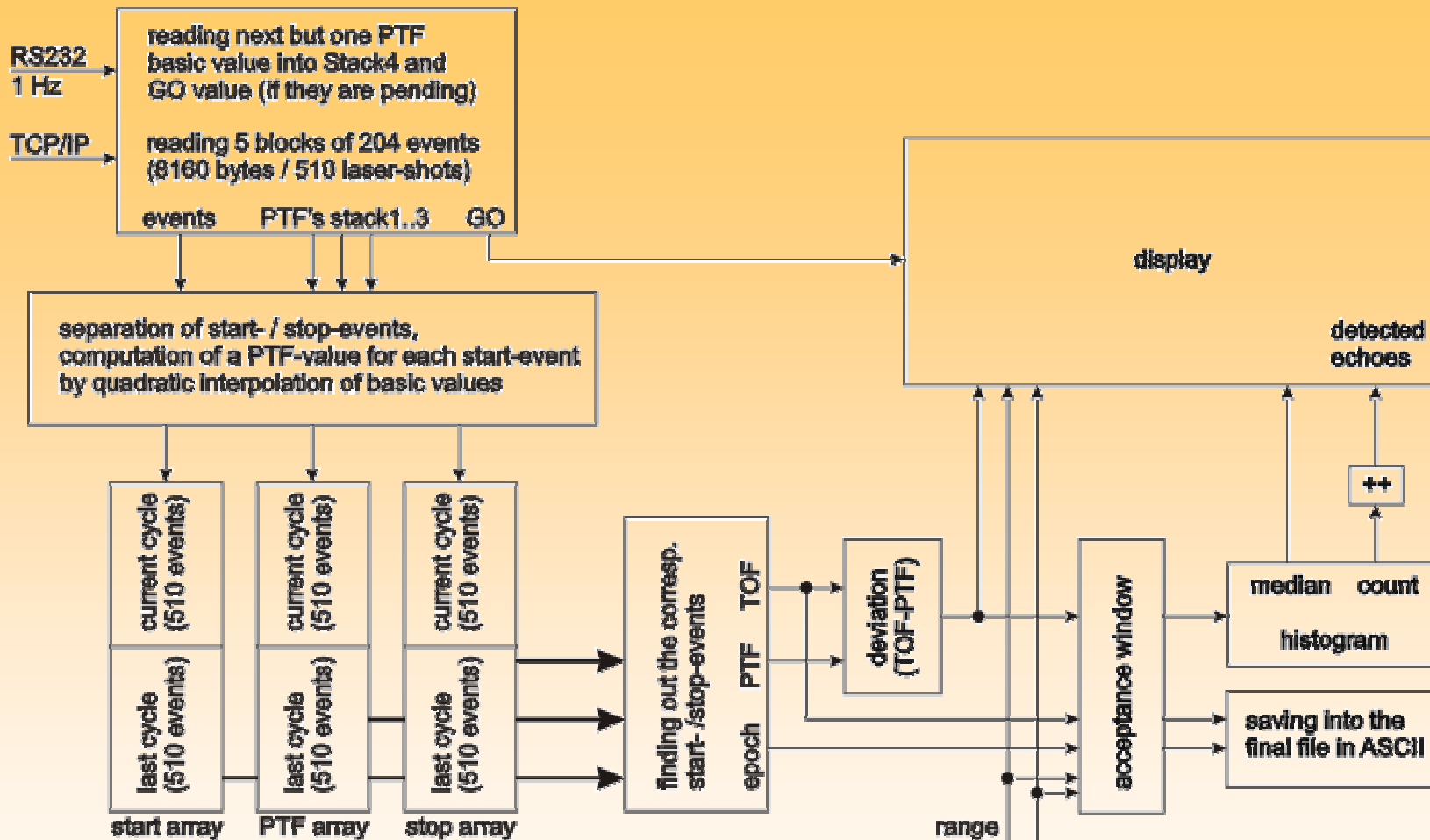
Cut-Out Of Graz-Data And Resultant Generated Event Sequence

Start Epoch	ToF	Echo Epoch	Notes	Event Sequence
(bw: Grazdates, coloured: Dummydates)				
9519.042123930000	3.000622202	9519.045124552200		9519042123930000
9519.042623930000	3.000607344	9519.045624537340		9519042623930000
9519.043123930000	3.000595861	9519.046124525860		9519043123930000
9519.043623930000		9519.046625230310		9519043623930000
9519.044123930000	3.000566104	9519.047124496100		9519044123930000
9519.044623930000	3.000551247	9519.047624481250		9519044623930000
9519.045123930000	3.000536379	9519.048124466380		9519045123930000
9519.045623930000		9519.048625170870		9519045623930000
9519.046123930000		9519.049125156010		9519046123930000
9519.046623930000		9519.049625141150		9519046623930000
9519.047123930000		9519.050125126280		9519047123930000
9519.047623930000		9519.050625111420		9519047623930000
9519.048243940000	3.000443624	9519.051244383630	SHIFT	9519048243940000
9519.048743930000	3.000428747	9519.051744358750		9519048743930000
9519.049243930000		9519.052245063280		9519049243930000
9519.049743930000		9519.052745048410		9519049743930000
9519.050243930000		9519.053245033550		9519050243930000
9519.050843930000		9519.053845018690	SHIFT	9519050843930000
9519.051363930000	3.000347504	9519.054364277500		9519051363930000
9519.051863930000	3.000336024	9519.054864266030		9519051863930000
				9519052245063280
				9519052745048410
				9519053245033550
				9519053845018690
				9519054364277500
				9519054864266020

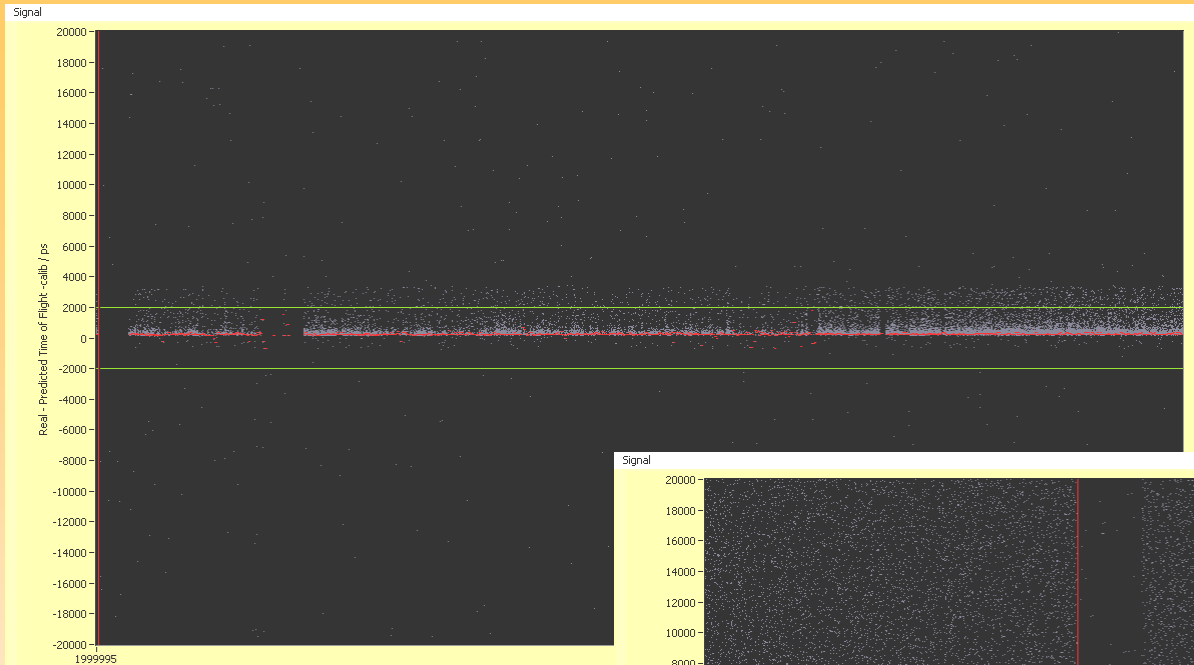


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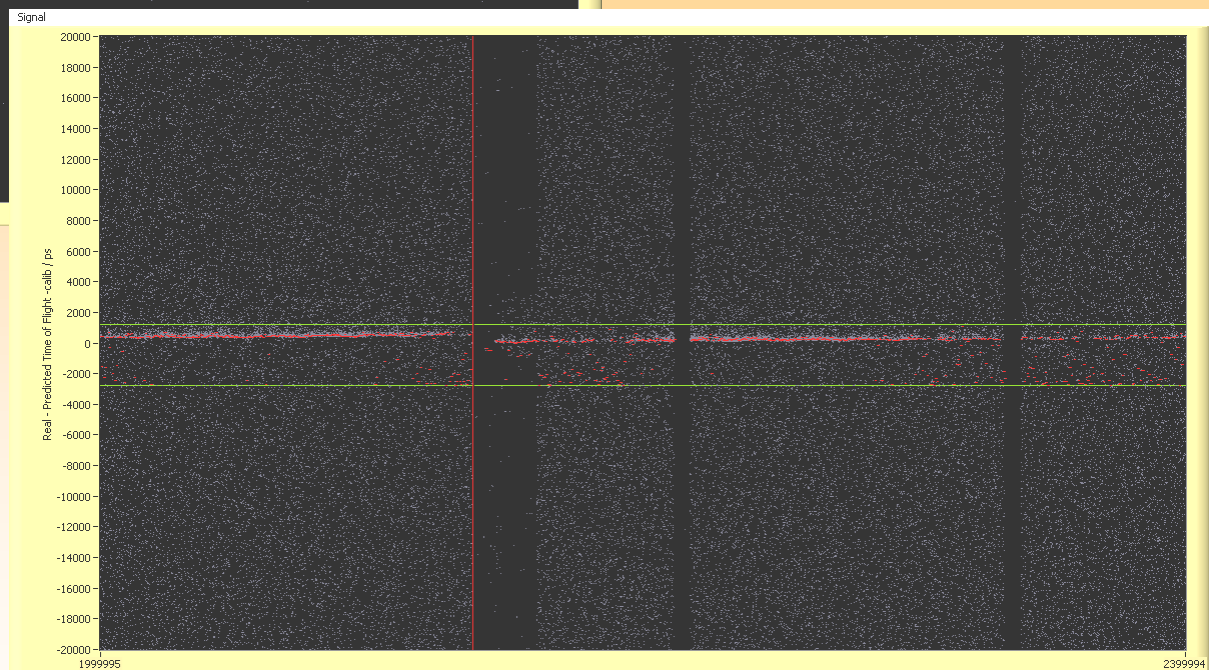




Scheme Of One Computation Cycle of Visualisation-PC (255 ms @ 2 kHz)



LAGEOS I by night



LAGEOS II in daylight



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