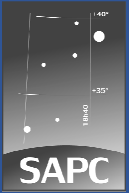


LOW COST SETUP FOR NUMERICAL CAMERA

Lionel Rousselot

Société Astronomique Populaire du Centre

tesse.lionel@free.fr



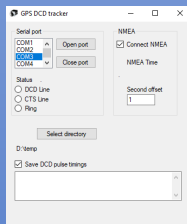
Software

Hardware

Images acquisition



Acquisition of UTC time from GPS (need PPS to work)



GPS GARMIN 18x lvc

DB9 CONNECTOR

Numerical camera



USB/Serial converter



TOTAL COST < 200€ (without camera)

How it works ?

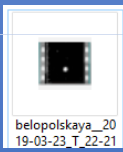
1/ ACQUISITION

2/ SYNCHRONISATION

3/ ANALYSIS

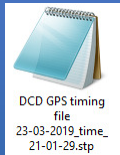
Video timestamped with « computer time »

→ Done with Genika Astro

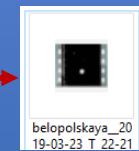


Creation of a database for comparison of « computer time » and « GPS time »

→ Done with « DCD tracker » include in Genika Astro

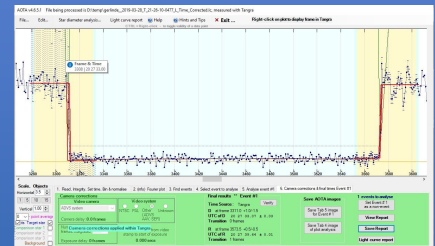


New video timestamped with « GPS time » (Possibility to record it on .ADV format)



→ Done with « SER toolbox » include in Genika Astro

« Standard » analysis with Tangra software and AOTA



RESULTS

