

Status Tracker DSP Code

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- Previous Schedule from April 2005
- Where are we now...
- ROM Moni/Flight soft 550F





Schedule... (from April)

- We need a 'physics' testbench to verify the DSP-code:
 - ♦ Setup of Cosmics testbench @Uni Geneva till 15 April (Daniel, Mercedes) - **DONE!**
 - ♦ Prepare tools for readout, analysis and verification till 30 April (Daniel, Philipp) - **DONE!**
 - ♦ Run actual version on testbench and verify till 31 May (Claude, Daniel, Philipp) - **DONE!**
 - ♦ Implement improvements/bug fixes (Claude)
- **Partly DONE!**
 - ♦ Get an official release of the DSP-code for 15 July
- **not yet, we are late!**





...Schedule...

- Tidbits:
 - ♦ Introduce good trackability of different versions till end of April (Daniel, Claude) – **Partly done, but not official**
- Need to clarify:
 - ♦ How to show version number in AMS Status command
(implemented by Andrei – **we have to use it**)
 - ♦ 'Official' way to readout calibration parameters?





...Schedule

- Claude will come to Geneva 2nd week of August for debugging etc. (slightly later than expected)
- Take data on testbench with official release and give data to interested people (who?) for analysis and crosschecks
- Get input, bug reports and implement the changes (and possible new features) to come to the next release (Daniel, Claude)
- Present results, conclusions, changes (~ October??)
- Re-iterate as needed





Code Status...

- New version of readout (better timing within request)
 - ◆ works with 'official' code 550F
 - ◆ 'physics' debugging still needed
 - ◆ real timing must be measured/calculated yet
- New version of calibration (improved algorithms)
 - ◆ does not yet run with 550F, Claude is checking why
 - ◆ blocks completely actually
 - ◆ Need more tests beginning of August with Claude





...Code Status

- Data modes:
 - ♦ Raw mode (provided by Andrei, works on subset only)
(How to readout full detector in raw for few events?)
 - ♦ Compressed data (standard data reduction with pedestal removal, common noise calculation and regions of interest)
- Open questions:
 - ♦ TAS code: Separate mode or separate code??





Andrei's new ROM Moni/flight soft

- Used during ESS/EMI tests extensively
 - ♦ Some commands changed, be careful and read Andrei's extensive documentation
(Load file now becomes Delete file etc.)
 - ♦ No problems have been seen during the tests

