

CALLISTO status report #5 of 2003-11-28

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FPU (focal plane unit)

Due to high humidity all screws and washers got rusty thus they need to be replaced by stainless steel parts. -> NCR0037.

RCU (receiver control unit)

Not applicable

RX (receiver)

Not applicable

Host, Server

Not applicable

QM (qualification model)

Front panel and back panel of the QM are now being updated through a professional one with engraved labels instead of "P-touch" labels.

FM (flight model)

Manufacturing of two additional spectrometers has just been finished at the apprentice division of ETH and the hardware has been delivered to the institute. Unfortunately two new non-conformances were detected. NC0034 describes that in the connecting cable for RS232 communication two wires were mixed up. There was another minor NC0036 (loose sockets on back panel) detected which could be solved immediately.

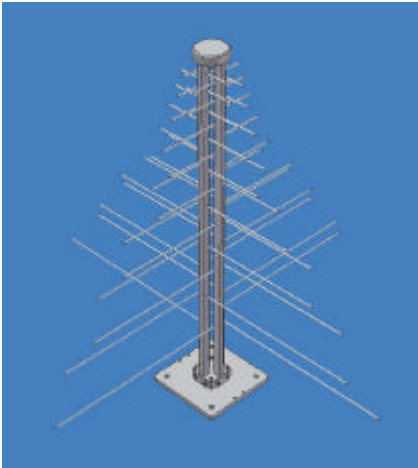
AOB

Software progress:

Almost no software activity was carried out, neither on RCU nor on host level during November since Hansueli Meyer was -and still is - in the army service. My personnel capacity is used to keep Phoenix-2 and other projects alive. Nevertheless two software

NCR's could be solved. NCR0033 missing date in the logfile is solved now and NCR0035 missing comment on empty scheduler entry is also solved. NCR0038 frequency file reader needs to be in a separate thread is also solved.

New antenna:



A crossed log-per antenna is being manufactured using two very low cost log-per antenna (~100 Swiss francs each). The original antenna is sold as a 'Digital-Outdoor Antenna' for terrestrial Radio- and TV reception. It can be bought from the German company CONRAD. Our mechanic only has to mill the head and the foot to combine two single antennas to one crossed log-per antenna.

Picture left: INVENTOR 3D drawing

Observations:

During the last weeks from the end of October until now we had a Callisto-DM in the 'Suntower' in Zurich and observed the sun in single linear polarization. A couple of nice events were recorded.

