

CALLISTO status report #8 of 2004-03-23**To:**

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FPU (focal plane unit)

A new broad-band preamplifier (Kuhne KU0180, 1...7000MHz, g=23dB, NF=4dB, IP1=7dBm) is being tested to find a solution against strong EMI (man-made-noise).

RCU (receiver control unit)

Not applicable

RX (receiver)

Not applicable

Host, Server

Not applicable

QM (qualification model)

Device is working with our 5m parabola and different configuration of one log-per-antenna at Bleien observatory. Data are now being analyzed by stud. Phys. Simon Bruderer. His job is to find the best ALLAN-variance within different antenna configurations.

FM (flight model)

Not applicable

AOB (any other business)

Callisto connected to different up- respective down-converters has successfully been tested. For latest pictures, have a look at:

<http://www.astro.phys.ethz.ch/instrument/callisto/fm/fm.htm>

So far we are ready to carry one Callisto to Green Bank. We suggest to start on April 13th / 14th and to stay in Green Bank for two weeks until about 27th of April. Thus we need an official invitation from NRAO.