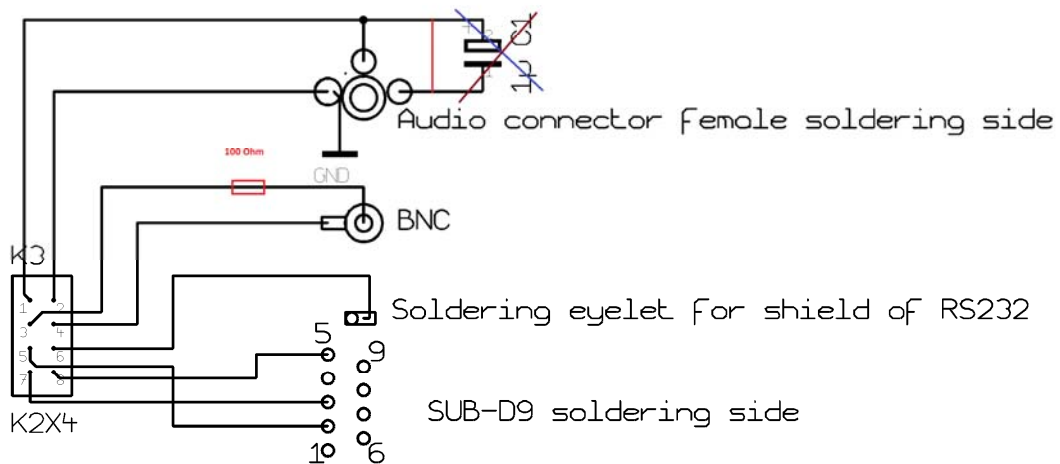# e-Callisto Non Conformance Report (NCR)

After more than 10 years of using Callisto it was found out, that signals from external clock (GPS, atomic clock etc.) can supply Callisto in case of power fail. This was never foreseen; therefore we must prevent this situation. Because after recovery of Callisto-power it might happen, that the systems blocks. In this case clock must disconnected from Callisto. Then switch off Callisto and then on again and then connect clock again.

During revisions or updates the hot wire of external clock signal (BNC-connector) must be secured by a serial resistor of **100 Ohms**. It can be soldered directly to the hot pin of the BNC-connector. The wire on the other side of the resistor shall be secured by a shrinking hose.

Decision: use hardware and software as it is, no redesign at the moment. But redesign for the next series of instruments.