

About a CLOAC (ID=351) problem

We cannot take data, when we use CLOAC II (ID=351).

The message from DAQ is:

mus_test_event: Timeout waiting for data

tburst: TIMEOUT for Mustard 0

mus_stat: cb0 SADD: 0 MDAQEN MRDOEN SSTAT BCO-OK RDPAGE: 0
WRPAGE: 0

mus_test_event: Timeout waiting for data

...

An output signal from CLK0 on the front panel of CLOAC shows a strange pulse shape (Fig.1), compared with good one (Fig.2).

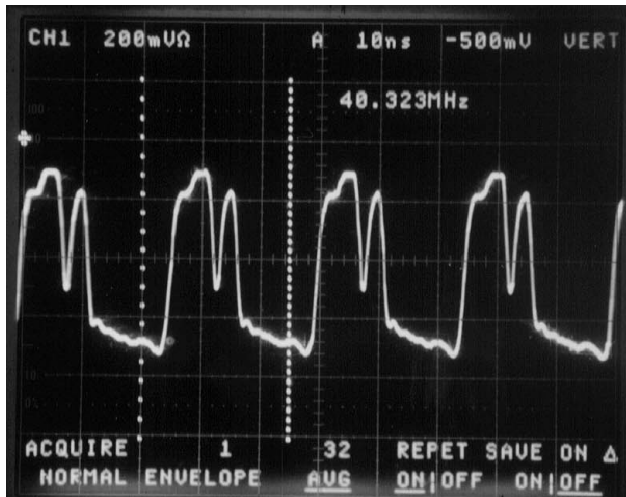


Fig.1 Pulse shape of CLK0 (ID=351)

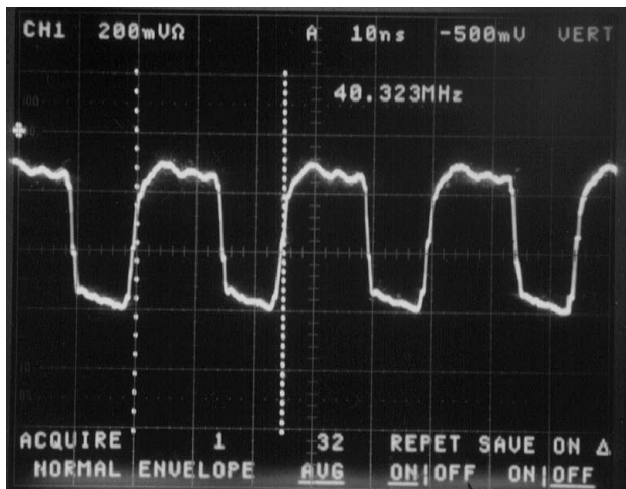


Fig.2 Pulse shape of CLK0 (ID=316: good CLOAC)

Two ad hoc ceramic capacitors are soldered on the backside of U12 (74ABT74N), 10pin-GND and 13pin-GND, for bad CLOAC (Fig.3). But there are no ad hoc capacitors for good CLOAC.

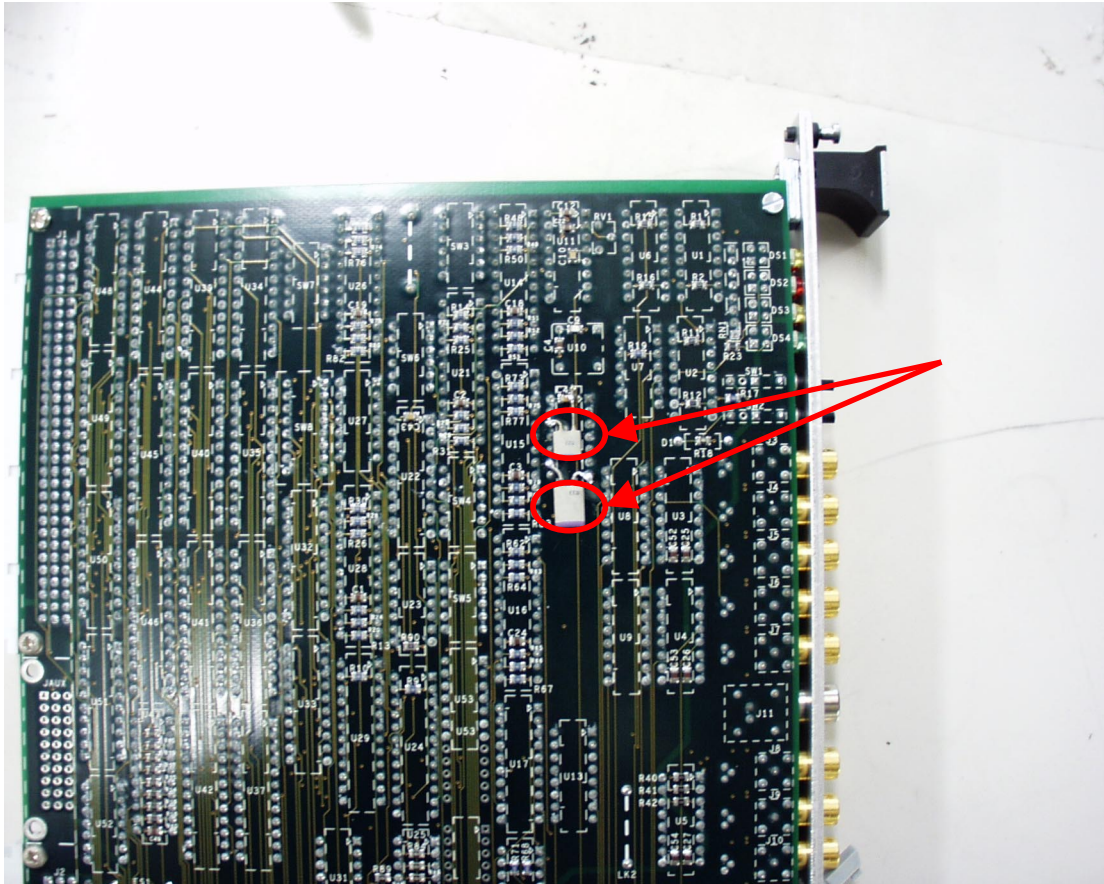


Fig3. Ad hoc capacitors