Hi Peter and all,

> from the oms and i/o card (are we still needing to use this ?)

I'm using this card *only* to detect driver fault (OMS cards does not
have inputs for this). If you want to remove the I/O card in the
future you'll need to remove or comment some parts of the code
and the database.

> Will these records be easy (:-)) to bring forward if we update EPICS
> versions, etc. ?

I think yes but I haven't tested in other versions. If not,
likely the records of the new version can be modified in the
same way.

> would like to come over and visit you for a day with Mathieu once he
> returns as he will be responsible for the mantanence of the EPICS sw here.

No problem I think. I'll prefer to have this talk at the IAC with the
hardware and to show you what I have now and how to modify it, if required.
Also, it can be a good moment for you to take away the hardware to La Palma.
This should be soon.

> Can you confirm that the software that you deliver is meant as the final
> version for integration to INGRID (* see below) ?

As you say, will be as ready as possible. Anyway, I haven't tested the
software with real mechanisms and that can trigger some litte problems.
Maybe speed/accl will be an important issue with the real
mechanisms. Also, now I'm using a 1:1 relation for the motor testrig
but wheels will have a 218:1 (in fact, this will improve resolution).
I'll put a 218:1 ratio in the final version.

Also, I'm making some assumptions. For example, I don't know the exact
positions in the wheels (in steps or degrees). For the filter wheels
that have 11 positions, I'm using 360/11=32.73... degrees between
positions (have a look at the attached file). This can be fine but
maybe needs to be adjusted with the real wheel.
So, maybe you'll need to edit some file.

Also, the software is not "ready to run". You'll need to install it,
configure it and rebuild it for your environment, VxWorks&EPICS versions,...
That always require some extra work.

> If we need to, could we expect that you would be able to travel to RGO,
> Cambridge, for a week when tesing takes place ?

I'm afraid no. Firsts tests were planned in March and then April. I didn't
received any new planning and I can't work more time on this.
It's a pitty because I've never been at the RGO...
Anyway, I'll help remotely by email as much as I can.
Also, if you think that the software have lots of bugs, or is a
f*ck*ng nightmare which never works fine, I'll would like to know it!

(excuse me for my language I'm just improving my english).

> Has Simon been able to talk with you about stuffing mechanism commands
> via CA to the database ? Have you agreed on names, conventions, etc.

We talk about it, and all is detailed at the ADD. The protocol is using
CAD/CAR/SIR EPICS records. If you want to change command names, filter
names, filter positions and so on you'll need to edit one of the
header files (imcs.h) which I'm attaching in this mail if you to
have a look and make some suggestions about names or messages.

> Name your prefered brand of whiskey !

Wait for the Ingrid "first light", and maybe then we can get drunk togheter :)

Cheers,

    Marti

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