Control and Software CHARA Point of view

- CHARA is a PI led Collaboration, and so it is difficult to impose any single software or control model.

- This has resulted in several different platforms and methodologies.

- Classic, CLIMB, FLUOR, and PAVO all use the same software model, while VEGA and MIRC have their own.

- That said, all systems use a socket based server/client model for their control system

We are not interested in specifying the details of how each group make their system work, but we do have a few things we'd like to impose:
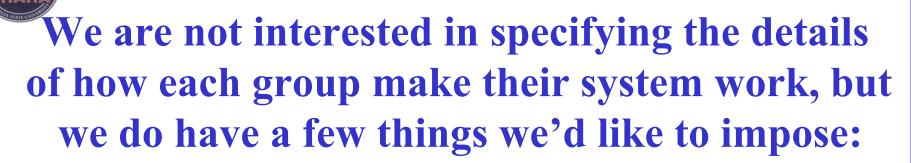
- Whatever happens under the hood, each beam combiner must act as a standard CHARA server, using the CHARA messaging system to communicate.

- It should correctly respond to all the basic messages that will be sent by the sequencer CD.

- It's also likely that they will also need to act as clients to several CHARA subsystems.

- Older models for interacting with the system will no longer be supported.

It is not compulsory, but it would be best if:

- You use the same version of Linux as we do.

- You use the existing CHARA libraries where ever possible (Why reinvent wheels?).

- You avoid using Windows.

- No, really, don't use Windows.

- You avoid using obscure and poorly supported libraries: If Nils and I haven't heard of it, we'd rather you didn't use it.

- Talk to us (Nils and myself) before making irreversible decisions on how things are done.