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NIRSPEC

UCLA Astrophysics Program   **U.C. Berkeley**   **W.M.Keck Observatory**

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Software Meeting January 12th 1995

We held a short but useful meeting on the above date. We discussed the things the software group needs to do by PDR. Much of the software may remain concept-only for quite some time after PDR, but like Gemini we need to have the software constantly in mind when working on the data acquisition system and motor control system designs.

An important goal is to make sure we don't load too much of the software coding task onto Tim this time around. On Gemini this was allowed to happen, leading to the undesirable position where much of the system is only understood at a deep level by Tim. It is a testimony to the quality of his work that this situation isn't a disaster.

We identified the following tasks to be done over the next few months leading up to PDR.

! Install the Sparcstation (done).

! Install DataViews   (George)

! Become familiar with DataViews   (George, Tim)

! Install the transputer development system   (George)

! Install a C compiler on the Sparcstation   (Calvin)

! Study the HIRES simulator when it is available in a Solaris version   (All)

! Build a simple prototype user interface and review   (George, Tim)

! Consult with Douglas Engineering on host-transputer link   (George, Woon, Frank)

! Prototype host-transputer protocols. May include linking Gemini front end system to Sparcstation *for demonstration purposes only*.   (George, Tim)

! Complete specification of data reduction pipeline.   (Ian, James, Tim)

! Produce an overall software design diagram showing all necessary components, including the data reduction automated pipeline.   (George, Tim)