Minutes of the HAO Instrumentation Advisory Committee Meeting of 2/19/15

Recorded by: S. Tomczyk (chair)
Present were: J. Burkepile, R. Casini, J. Graham, A. Knack, S. McIntosh, K. Nesnadny, S. Sewell, S. Tomczyk, A. deWijn

PSPT: Burkepile: data is still valuable scientifically. Consensus: data is valuable and we should keep it running. Mark Rast wants full solar cycle. Kim: it takes lots of hours to keep things going. McIntosh: we want to keep it running for 5 years. Scott is the HAO PI. Sewell will work up replacement plan.

ProMag: Casini: Evans will be mothballed in 4 months. AF leaving Sac Peak for Kirtland. Tim Henry still collecting data. We need to decommission ProMag unless someone takes over SPO. Shoud probably bring back critical elements when group goes to check out Hilltop spar.

IG Update: see Sewell notes

Steven Tomczyk
IG Updates
2015-Feb-19

Scott Sewell
HIAC
Program Updates

**ViSP CDR:** HAO Team has scheduled it’s CDR for May 21-22, one month later than originally planned to permit final mechanical engineering design work to reach maturity. We’ve submitted a $3.35M budget for construction ($3.02M + $0.33M contingency) to DKIST and have set up an initial meeting with Gina Taberski who will be the UCAR contracts representative for ViSP Contract negotiations on Monday, March 2.

**ChroMag Prototype:** Alfred is now working with Dennis to re-examine the Lyot filter in a characterization approach Dennis worked out with Steve for SCD

**SCD:** Greg, Dennis and Steve are in the process of building and characterizing the Lyot filter. Rob, Brandon and Scott are building up the thermally controlled instrument enclosure and software. The two items will be integrated in a final end-to-end test before shipment to Slovakia.

**K-Cor:** Greg and Dennis will travel to MLSO on March 9-16 to (i) install a new (stiffer) camera mount system which will make K-Cor imagery less sensitive to diurnal changes as the spar moves in RA. Greg will also install the upgraded RA clutch assembly during the same visit. He’ll priority ship the exchanged clutch for refurbishment and re-installation at the Mesa Spar for ChroMag.

**CoMP-NSF Upgrade:** Waiting for final budgetary numbers and a re-planning activity with Steve and the IG. Greg and Dennis will take advantage of their time in MLSO to examine CoMP in preparation for the replan.
Following the ViSP CDR, ChroMag and CoMP-M Upgrades are the only substantial programs in the IG queue. Bridge funds from DKIST to commence selected construction phase activities would be extremely helpful as would a quick turnaround on the official construction phase contract.

- Note: Labor in ViSP is not all that substantial. No team member is scheduled to work more than 30% FTE over the (currently planned) ~40 month start to finish effort.

- HAO should make a push towards a COSMO-LC PDR to enable a search for subsequent funding opportunities to continue the design effort.

- Other opportunities…?