Minutes of the HAO Instrumentation Advisory Committee Meeting of 4/30/15

Recorded by: S. Tomczyk (chair)
Present were: J. Burkepile, A. Knack, M. Knoelker, K. Nesnadny, S. Sewell, R. Summers, S. Tomczyk, A. deWijn, Q. Wu

Project update: see Sewell notes

Knoelker: now is a good time for Alice and Greg to work on Sunrise

Steven Tomczyk
IG Updates
2015-April-30

Scott Sewell
HIAC
Program Updates

**ViSP CDR:** HAO Team has submitted all our CDR materials and are now beginning to see and respond to RIX items using a DKIST maintained JIRA ticketing system. We’ve submitted a $3.35M budget for construction ($3.02M + $0.33M contingency) but have already been told that we need to submit a $2.975 budget to successfully pass CDR. HAO Management and the ViSP team will have to decide how much contingency is required for comfort and will have to write a memorandum explaining the impact to our science requirements resulting from and descoped items.

**ChroMag Prototype:** Alfred has returned his Andor camera for factory upgrades. Development temporarily on hold.

**Mesa Spar Refurbishment:** The RA friction gear returned from MLSO exhibits sufficient wear that Greg is having it re-ground and re-chromed before installation back into the Mesa Spar gear train. This system should be up and running by the time Alfred receive’s his camera back from Andor. We expect this to be back up and running by the 3rd week in May.
Program Updates

**SCD:** Instrument has been received by AISAS colleagues Jan Rybak and Alex Kucera. They are beginning to explore it’s operation. We’ve floated a tentative plan to send a small engineering team out to get it running and mounted to the coronagraph followed by a science team visit to make real observations and work on the data processing issues.

**K-Cor:** Last month’s trip to MLSO to install the camera mount was plagued by a temporarily lost package at Federal Express due at their main hub. The RA clutch was replaced but Joan, Greg, Alfred and Dennis now plan to talk Ben through the installation of the camera mount system following application of a Lyot Spot to reduce instrumental scattering we believe is affecting image quality.

**CoMP-NSF Upgrade:** Phil is beginning to use the IG’s new “Doors” requirement management system with CoMP-NSF as a first case. Team will meet shortly to discuss statement of work with Steve.

**HiWind Reflight:** The team is excited to be able to help Qian refly HiWind on a circumpolar route out of McMurdo Antarctica in early Fall of 2017. (Need to verify date). We’ll be bringing the system back to CG1 from storage in CG3 shortly to perform a a set of functional tests to help define the refurbishment SOW.
Master Schedules and IG Activity Lists

http://ig.hao.ucar.edu/Summary/main.htm

### Summer Engineering Interns 2015
(May 18-July 31)

- Isis Peguero (Mechanical Engineering)
- Alan Sanchez (Aerospace/CS)
- Anthony Anglin (Aerospace/Astronomy)