Notes of the COCCON EM27/SUN telephone conference at 09th of September 2021

Here are some notes of the discussions and ideas of the telecon.

Please note that these minutes are not a record of every statement given in the telecon. Rather it tries to sum up the most important points of the discussion. However, if you think an important point is missing please email to benedikt.herkommer@kit.edu.

List of participants:

Aaron Meyer(LANL), Dave Pollard (NIWA), Jia Chen (TUM), Florian Dietrich (TUM), Andre Butz (IUP HD), Te Yao (Sorbonne University) , Elisabeth Spicer (University of Oklahoma), William Simpson (UAF), Niki Jacobs (UAF), Katharina Heimerl (Vrije University Amsterdam), Bianca Baier (NOAA), Wolfgang Stremme (UNAM), Noemi Taquet (UNAM), Isis Fraustos Vincencio (University of California), Jonathan Franklin (University of Harvard), Rigel Kivi (FMI), Benedikt Herkommer (KIT)

Notes of Discussion

- Welcome of all participants. A few organizational things. See slides.
- Presentation of Jia Chen on MUCCnet. Presentation has been uploaded here as well. Thanks again to Jia for providing the talk and uploading slides!
    - Q: How often is it necessary to perform a manual intervention for the EM27 within the enclosures?
        - Once a day to check if everything works fine. However, this frequent is not necessary.
        - Normally, once a week a manual intervention is necessary. Mostly due to windows (updates, etc.). Mostly possible via remote control.
        - If CamTracker and OPUS would be available for Linux, this would make it way more stable!
    - Q: Where there any problems with dust or pollen on the mirrors?
        - In Munich this is not a problem. In Uganda and Finland there are no information yet.
    - Q: What kind of sensor is used for detecting a shining sun?
        - Developed by TUM.
        - A camera looks on black and white stripes. Analyzes the gradient of black and white stripes. This is used for detecting sunshine.
- EM27/SUN on LINUX and CamTracker:
    - There is a beta version of OPUS for Linux. However, no have tried it so far.
    - CamTracker does not exist for Linux so far.
    - It is possible to control the tracker stepper motors in the EM27/sun with low-level commands.
    - Several persons are interested to run EM27/SUN on Linux.
    - Andre Butz build a custom SunTracker which is faster for ship campaign. Runs on Linux. However, OPUS is still on windows.

- Next telecon: 4th of November 2021, 18:00 UTC. You will be informed via Email.