

### Maintenance of DK154 during August-November 2017

These works were done by Petr Pravec, Miroslav Velen, Daniel Krykorka, Peter Sinclair, Jorge Vilaza, Petr Fatka, and Markus Rabus.

- 1) Halpha filter was installed to the DFOSC filter wheel on 2017 August 31, replacing the Halpha r filter that was there since 2012. The Halpha filter was borrowed to us by Andrés Gonzalez; it is normally used at NTT/SOFI, but it is “requested on rare occasions”.
- 2) The vacuum in the DFOSC camera was degraded on 2017 November 10; the CCD temperature could not be kept at -120 C, it raised up to -118 C at times. We pumped it on 2017 November 14.
- 3) The new version of the ARS/RTS2 sw for the new DFOSC camera was troobleshooted by Miroslav Velen and Daniel Krykorka during 2017 November 16 to 18. The critical issues were solved (a few remaining minor ones will be solved later) and the camera control sw is prepared for the camera installation. We pumped, cooled down and tested the camera during 2017 November 18 to 20. It appears ready for installation. We have discussed with Peter Sinclair that he will install the camera to the telescope when he has a time for it in the coming months, with our remote assistance.
- 4) We put to the Lin1/2 servers the PCI Cards 3 and 4 (v. 111208) that arrived in April/May. We will take Cards 1 and 2 (v. 100909), which arrived in March, back to Europe and send them, together with the two old cards, to Michael Andersen.
- 5) We went through the complete Projectsoft checklist on 2017 November 20 and 21, see the protocol (Attachement 1).
- 6) The fan in the power supply of Win2 is noisy. While it shouldn't be a problem even if it fails completely, it will be good to buy a new power supply for the server (HP Z210 Workstation).
- 7) We changed the password for vnc access to the Win1/2, Lin1/2 servers on 2017 November 21.
- 8) The DFOSC image data from the 2016-2017 season were copied to an external HDD and we will check them against data downloaded to the dk154-storage server. A sufficient space on the data disks on Lin1/2 will be cleared for our entire 2017-2018 season.
- 9) In the last 12+ months there occassionally occured the error SLIT AL 1 (loss of communication with slit). We suspect that it is because the wifi access point dk154-dome (IP 192.168.132.14) uses channel 1 that could be affected by the APs of the 3.6m, NTT and 2.2m that use channel 2. We increased the timeout for communication with the slit, which appears solved the problem for now. An ultimate remedy could be to change the AP dk154-dome to a different channel; we may do it in the future if the problem worsens.
- 10) We washed the cover glass of the allsky camera on 2017 November 16.

Petr Pravec, 2017 November 21

Attachements: 1) DK154Checklist\_201711.xls