

**PRINCE GEORGE ASTRONOMICAL SOCIETY  
ROYAL ASTRONOMICAL SOCIETY OF CANADA  
PRINCE GEORGE CENTRE**

**7365 Tedford Road  
Prince George, BC  
V2N 6S2**

**Robotic Telescope Project (RTP) Minutes**

**March 1, 2022**

Meeting Number: RTP011

Date: March 1, 2022

Location: Zoom Meeting

Chairperson: Malhar Kendurkar

Recording Secretary: Glen Harris

Committee Members present: Malhar, Glen, Gil, Rob, Bob

Meeting Called to Order at 7:05 p.m.

**1. Approval of Minutes of RTP010**

Motion: To accept the meeting minutes of RTP010 February 15, 2022.

Moved: Glen Seconded: Gil Carried

**2. Old Business**

Actionable items:

- Polar alignment.
- TPoint alignment

**Bob, Malhar  
Bob, Malhar**

**3. New Business**

- Long discussion on flip mirror assembly.

**Glen's report**

- Moved the AllSky camera and associated software to Maia.
- Installed and configured the AllSkEye program on Maia.
- Relocated the Mallincam power supply to the telescope axis box.
- The ST9, ST10, Canon DSLR, and Mallincam are now controlled by the IP-9258 digital logger located in the telescope axis box.
- The I.R. camera and AllSky camera heater are controlled by the wall mounted DSC-1 digital logger.
- Several dead cables have been removed from the telescope axis tube.
- Downloaded and installed BackYardEOS Premium on Alcyone's new 'J' drive for Canon DSLR control.
- The USB extender is AC powered continuously.

## **Rob's Report**

- Installed Weatherlogger.
- Assigned IP address to the IP9258 4 port Web power controller.
- Site visit with Malhar.
- Set up club Google Drive account.
- Set up server and web page on Maia.

## **Current actionable items**

Malhar:

- Polar alignment with Bob.
- TPoint alignment with Bob.
- Set up homing with Bob.
- Resolve dome sync problem.
- Canvass membership for a web/graphic designer.
- Replace/bake ST9 and ST10 camera desiccant.
- Book a meeting time with Dave Lane.

Glen:

- Work on lower slot door automation.

Bob:

- Polar alignment with Malhar.
- TPoint alignment with Malhar.
- Set up homing with Malhar.
- Flip mirror mechanism.

Rob:

- Upgrade Maia to Win10.
- Establish a firewall using Raspberry  $\pi$ . (Spending approval required at business meeting)
- Full system backup of Maia and Alcyone.

## **Task Priority:**

- TPoint alignment.
- Polar alignment.
- Telescope homing.
- Auto Guiding.
- Build dome slot motor controller.
- Dave Lane software update.
- Flip mirror automation.
- 4Shooter automation.
- Mirror cover mechanism.

## **Outstanding items:**

- If mirror cover plans are provided, build it ourselves.
- DSLR image link to website.
- All Sky weather camera link to website.
- Weather station link to website.
- Infrared camera link to website.

**4. Date, Time, and Location of the next Robotic Telescope Project committee meeting**

- The next committee meeting (RTP012) will be held on Tuesday March 15, 2022 starting at 7:00 pm using Zoom.

**5. Adjournment:** Meeting adjourned at 9:00 pm.