

**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**

**December 16, 2021**

Meeting Number: RTP006

Date: December 16, 2021

Location: Zoom Meeting

Chairperson: Malhar Kendurkar

Recording Secretary: Glen Harris

Committee Members present: Bob, Malhar, Glen, Gil

Meeting Called to Order at 7:02 p.m.

**1. Approval of Minutes of RTP005**

Motion: To accept the meeting minutes of RTP005 December 2, 2021.

Moved: Malhar

Seconded: Glen

Carried

**2. Old Business**

- Dave Lane zoom meeting with the committee conducted. Lots of insight as to the complexity of our task.

Actionable items:

- AC-DC adapter available to replace DSLR battery.
- Update Alcyone dome control update via Teamviewer – Establish time.
- Polar alignment. **Bob, Malhar**
- TPoint alignment **Bob, Malhar**

**3. New Business**

**Malhar's report**

- Emailed Ajai about connecting weather station with website. Will also ask how multiple cameras on one computer are configured.
- Setting up time with Jean-Bruno next week to resolve FTP issue.
- Donated a CLS-CCD narrow band filter for use with the DSLR camera.

**Glen's report**

- Lakewood Electric bent the sky hook conduit at no cost.
- Completed the installation and testing of the sky hook wiring.
- I have been in contact with Dave and he is working on a modification to his dome slot control circuitry that would handle both slot doors.
- Roughed in the telescope homing sensor wiring.
- Working on the dome rotation limit switch wiring and fabricating the switch mounting bracket. The magnets are mounted on the top of the dome flange.

### **Bob's report**

- Continuing on with the fabrication of the RA and DEC split ring assemblies.

### **Gil's report**

- The homing sensors have arrived.

### **Current actionable items**

Malhar:

- Polar alignment with Bob.
- TPoint alignment with Bob.
- Follow up with Ajai and Jean-Bruno.

Glen:

- Telescope user profile on Alcyone.
- Finish the dome rotation limit switch wiring.
- Obtain static IP addresses from Telus for the digital loggers.
- Bench testing of the homing sensors.
- Upgrade Antivirus software.
- Install Canon EOS utility.
- Install Google Chrome Remote Desktop.

Gil:

- Homing sensors (work with Glen).

Bob:

- Continue fabricating sensor mounting hardware and cowlings.
- Polar alignment with Malhar.
- TPoint alignment with Malhar.

### **Task Priority:**

- TPoint alignment
- Polar alignment
- Guiding
- Telescope homing
- Dome rotation limit switches
- FTP for weather station, AllSky camera and infrared camera
- Build dome slot motor controller
- Software update
- DSLR camera operation
- Flip mirror automation
- Mirror cover mechanism

### **Outstanding items:**

- If shutter plans are provided, build it ourselves. **Bob**
- DSLR image link to website. **Glen**
- All Sky weather camera link to website **Glen**
- Weather station link to website. **Glen**
- Infrared camera link to website. **Glen**

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

- The next committee meeting (RTP007) will be held on Thursday, January 4, 2022 starting at 7:00 pm using Zoom.

**5. Adjournment:** Meeting adjourned at 8:30pm.