

**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

January 18, 2022

Meeting Number: RTP008

Date: January 18, 2022

Location: Zoom Meeting

Chairperson: Malhar Kendurkar

Recording Secretary: Glen Harris

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

Meeting Called to Order at 7:20 p.m.

1. Approval of Minutes of RTP007

Motion: To accept the meeting minutes of RTP007 January 4, 2021.

Moved: Glen Seconded: Gil Carried

2. Old Business

- Purchased Davis Weather Station.
- Purchased All Sky Camera.
- Replaced Chrome Remote Desktop with AnyDesk Remote Desktop.

Actionable items:

- Polar alignment. **Bob, Malhar**
- TPoint alignment **Bob, Malhar**

3. New Business

Malhar's report

- Setting up time with Jean-Bruno to resolve FTP issue.
- Use Raspberry PI 4 as a 3rd party for controlling the telescope.
- Operating telescope through website is not safe.

Glen's report

- Installed AnyDesk on Alcyone.

Bob's report

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

Gil's report

- Will work with Glen on actionable items.

Current actionable items

Malhar:

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

Glen:

- Complete dome rotation limit switch wiring. (Weather dependent)
- Complete dome shutter limit switch wiring. (Weather dependent)
- Install hard drive upon receipt.
- Install PCI-E card and associated drivers (from CD)
- Install Cat5 cable for AllSky Camera USB Extender.
- Install Cat5 cable for IR dome camera USB Extender.
- Orientation with Rob.

Gil:

- Homing sensors (work with Glen).

Bob:

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

Rob:

- Identify and inventory software requirements to support telescope automation.

Task Priority:

- TPoint alignment
- Polar alignment
- Guiding
- Telescope homing
- Dome rotation limit switches
- Dome Slot limit switches
- Build dome slot motor controller
- Software update
- Flip mirror 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.
- AC device wiring to support digital logger.

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

- The next committee meeting (RTP009) will be held on Tuesday February 1, 2022 starting at 7:00 pm using Zoom.

5. Adjournment: Meeting adjourned at 8:40 pm.