

**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

February 15, 2022

Meeting Number: RTP010

Date: February 15, 2022

Location: Zoom Meeting

Chairperson: Malhar Kendurkar

Recording Secretary: Glen Harris

Committee Members present: Malhar, Glen, Gil, Rob

Meeting Called to Order at 7:30 p.m.

1. Approval of Minutes of RTP009

Motion: To accept the meeting minutes of RTP009 February 1, 2022.

Moved: Gil

Seconded: Rob

Carried

2. Old Business

Actionable items:

- Polar alignment.

Bob, Malhar

- TPoint alignment

Bob, Malhar

- Re-ordered the AllSky camera.

- Authorize Rob to purchase hardware link from Weather Station to local network.

- Observatory site visit on Saturday.

3. New Business

Glen's report

- Wiring of the homing sensors is complete.

- Completed dome shutter limit switch wiring.

- Installed the AllSky camera.

- Infra-red camera and AllSky camera heater are now controlled from the digital logger.

- In contact with Dave Lane regarding AllSky camera control software and dome slot motor controller.

Rob's Report

- Received the Weatherlogger and will install this weekend.

- Configuring network and assigning IP addresses to peripheral equipment.

Current actionable items

Malhar:

- Polar alignment with Bob.
- TPoint alignment with Bob.
- Resolve dome sync problem.
- Canvass membership for a web/graphic designer.
- Replace/bake ST9 and ST10 camera desiccant.
- Site visit Friday with Rob.

Glen:

- Pull dead cables out of telescope axis tube.
- Lengthen Canon camera power cable.
- Attempt to reassign AllSky camera to Sentinel computer.
- Install (DLC 2) IP9258 4 receptacle digital logger in axis Xconnect enclosure for ST9, ST10, Canon cameras and USB extender.
- Install (DLC 3) IP9258 4 receptacle digital logger at base of telescope for future services.
- A total of 11 digital logger receptacles are required. Assignments are:

DLC 1-1 Alcyone computer

DLC 1-2 Mallincam camera

DLC 1-3 Servo controller, scope power panel (Fans, focusers, reticules)

DLC 1-4 Infra-red dome camera

DLC 1-5 AllSky camera heater

DLC 1-6 Spare

DLC 1-7 Spare

DLC 1-8 Dome and slot controller

DLC 2-1 ST9 camera

DLC 2-2 ST10 camera

DLC 2-3 Canon camera

DLC 2-4 USB extender

DLC 3-1 Mirror cover mechanism, 4Shooter and Flip mirror controllers (future)

DLC 3-2 Spare

DLC 3-3 Spare

DLC 3-4 Spare

Bob:

- Polar alignment with Malhar.
- TPoint alignment with Malhar.

Rob:

- Install Weatherlogger.
- Assign IP addresses to the 2 IP9258 4 port Web power controllers.
- Site visit Friday with Malhar.
- Set up club Google Drive account.

Task Priority:

- TPoint alignment
- Polar alignment
- Telescope homing
- Auto Guiding
- Build dome slot motor controller
- 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 (RTP011) will be held on Tuesday March 1, 2022 starting at 7:00 pm using Zoom.

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