Known Hardware Notes

* 1 Raspberry Pi 4 Model B 4GB
* 4 Arducam OV5647

Questions to Ask (Hardware Concerns)

* In your last email, you stated you ordered one Pi and 4 camera modules. Will you be ordering more Pi’s in the future or do you plan on all modules to be connected to one Pi? (The research paper used 1 RPi per cam.)
  + One: RPi’s only have one CSI port; to connect 4, can use Arducam Multi Camera Adapter (note: these work “sequentially” and may degrade overall quality); also ribbon cables are a bit fragile
    - Other option: USB cams (RPi has 2 USB2 and 2USB3 (faster))
* Does the RPi have an OS installed? Do you have the required hw to install one if not?
  + HW to install OS: MicroSD card; MicroSD card reader

Questions (Other)

* How far from the perches will the cameras be? (Need to check the camera resolution is enough to detect)
* How significant will the changes in light be in the enclosure?
* How often (timewise) should position data be recorded on the spreadsheet? What should be the maximum time between data entries?
* The research paper mentioned video or pictures being used to gather data. Which would you prefer?
  + Recommend the RPi cam modules be used with pictures because their quality is likely not good, and video may make it worse.