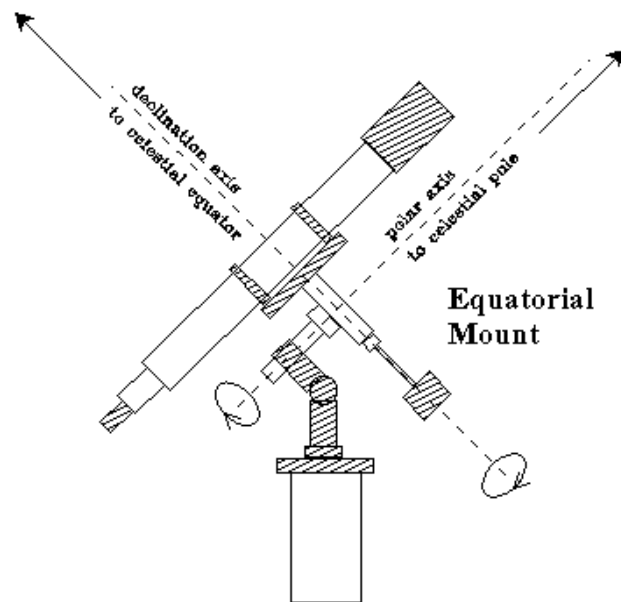


Flipping the Irving Porter Church Telescope

- Unlock the right ascension (RA) knob[†], and move the telescope to the XXIV mark on the RA dial (above the “ship’s wheel”).
- Lock the RA knob.
- Unlock the declination (Dec) knob[†] and move the scope so that it is pointing roughly due **north** ($\sim 90^\circ$ N on the Dec circle). The telescope should be parallel with the mount’s polar axis (see diagram below).
- Lock the Dec knob.
- Loosen the RA knob again before flipping. This ensures that the RA brake won't get worn down. The telescope will be easier to flip as well.
- Using the "ship's wheel" on the mount, rotate the telescope over the mount until it is at the XXIV mark again on the RA dial.
- Unlock the Dec knob and move telescope to desired object. Be careful not to push the telescope into the mount while bringing it down from 90° N.



[†]There is a small piece of glow-in-the-dark tape behind the wooden declination knob to distinguish it from the RA knob.