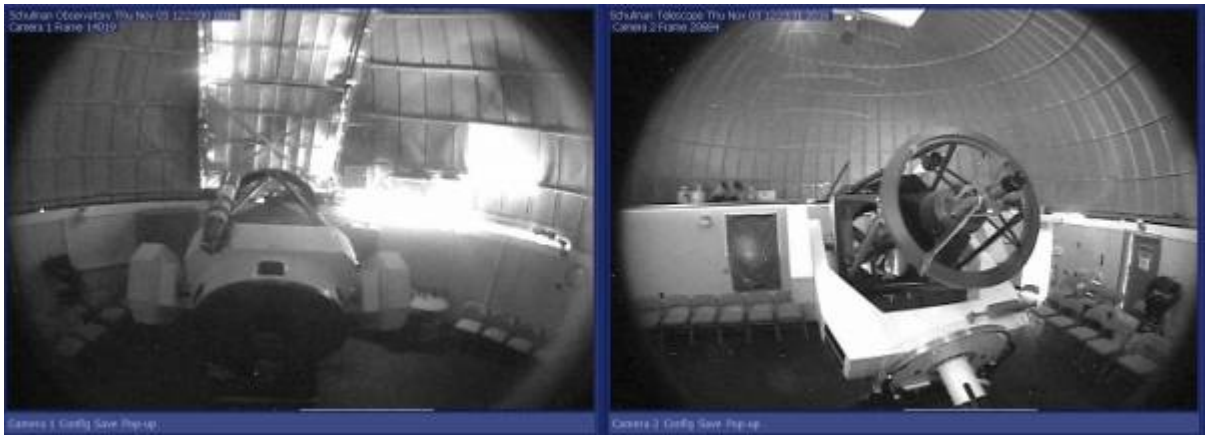
Understanding State of Telescope Based on Orientation

Below are pictures that illustrate common telescope positions. By simply looking at the telescope it is possible to guess a likely state or position on the sky.

This is the standard "Park" position. At a Declination of -32 degrees, this is 25 degrees from the local horizon and aligns with the Flat Field panel.



This is the southern mechanical limit. It is 8 degrees below the standard Park position. Please compare with the image above. The most common reason for the telescope to be in this position is due to imbalance in the Declination axis with the servos being off. When bringing the telescope up, it must be moved away from mechanical limits. Not doing so will cause a number of unexpected errors from the controller during the initialization process. Look for this position if the telescope was recently put in Lightning Shutdown.