Controller

+AZ_DEGREES_PER_TICK: float
+ALT_DEGREES_PER_TICK: float
+directionAz: byte = 0
+directionAlt: int = 0
+currentAz: float
+currentAlt: float
+statusAz: int
+statusAlt: int
+targetAz: float
+targetAlt: float
+ser: Serial

+connect(port:string): string
+disconnect(): void
+moveHome(): void
+move(targetAlt:float,targetAz:float): void
+isMoving(): bool
+__parseFeedback(line:string): void
+__sendCommand(command:string): void
+__checkFeedback(): void

Tracking

+Target: skyfield.starlib.Star
+location: Skyfield.Topos
+ts: Skyfield.timelib.timescale

+__init__(Target:Skyfield.starlib.Star,location:Skyfield.topos)
+setTarget(target:Skyfield.starlib.Star): void
+setLocation(location:Skyfield.topos): void
+calcAltAz(): tuple(Skyfield.Angle, Skyfield.Angle,
                Skyfield.Distance)

Constants

+AZ_TICKS_PER_DEGREE: float = 11.7
+ALT_TICKS_PER_DEGREE: float = 11.7
+AZ_HOME: float = 0
+ALT_HOME: float = 0
+STATION_LAT: double = 36.381355
+STATION_LON: float = -82.4155
+STATION_ALT: float = 453
+MotionStatus: string[] = ['Stopped','Moving','Homing','Stopped/Unverified',Disconnected']
+CONTROLLER_PORT: string = /dev/ttyACM0