



VARIABLES USED IN XLS Spread Sheet

- AX to AX' = Optical Axis of telescope
- RP = Rear port (reference position)
- RD = RA & DEC rotation axis
- SI = Point of reflection on Secondary Mirror
- IM = Projection of Secondary Ray to Axis
- SM = Centre of Curvature of Secondary Mirror
- PM = Centre of curvature of Primary Mirror
- FL = Location of equivalent Simple Lens
- PI = Point of reflection on Primary Mirror

- angle "Theta" = OA to PI to IM
- angle "Phi" = SI to SM to AX
- angle "Gamma" = SI to AX to AX'
- distance "x" = distance IM to SM
- distance "y" = radius SI to AX - AX' axis
- distance "a" = distance on axis from "y" to IM
- "Focal Length" = AX to AX'
- "Back Focus" = BF to RP
- "Off Axis Ray" = radius AX' to OA
- "Mirror Centre Separation" = SM to PM
- "Primary Mirror Radius" = PM to PI
- "Secondary Mirror Radius" = SM to SI

NOTE: Position PM is an input variable controled by rotating the Focus Knob +/- 0.9mm per turn

