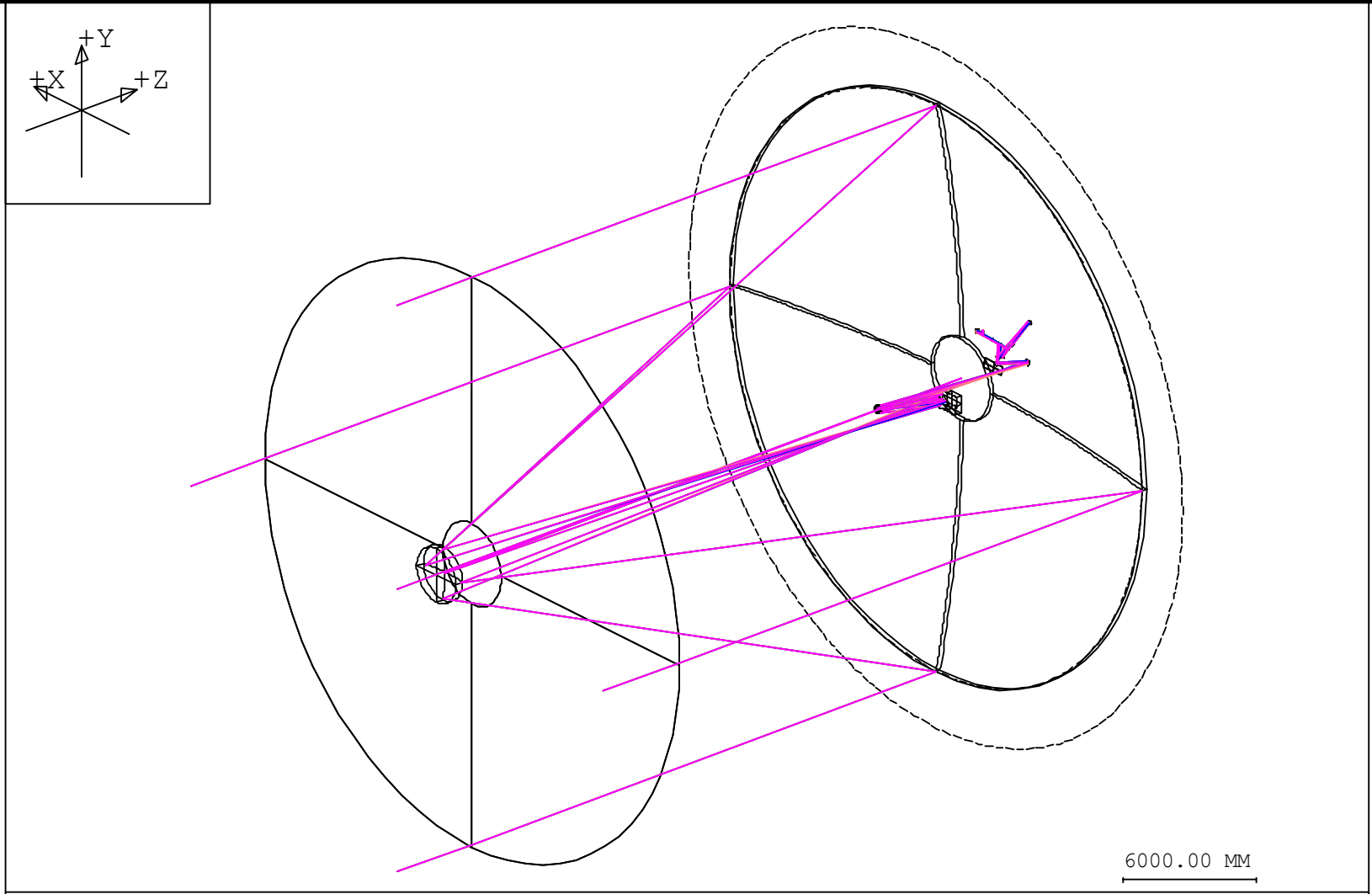


# Coronagraph Backup Charts

Dr. Martin Flannery

TRW

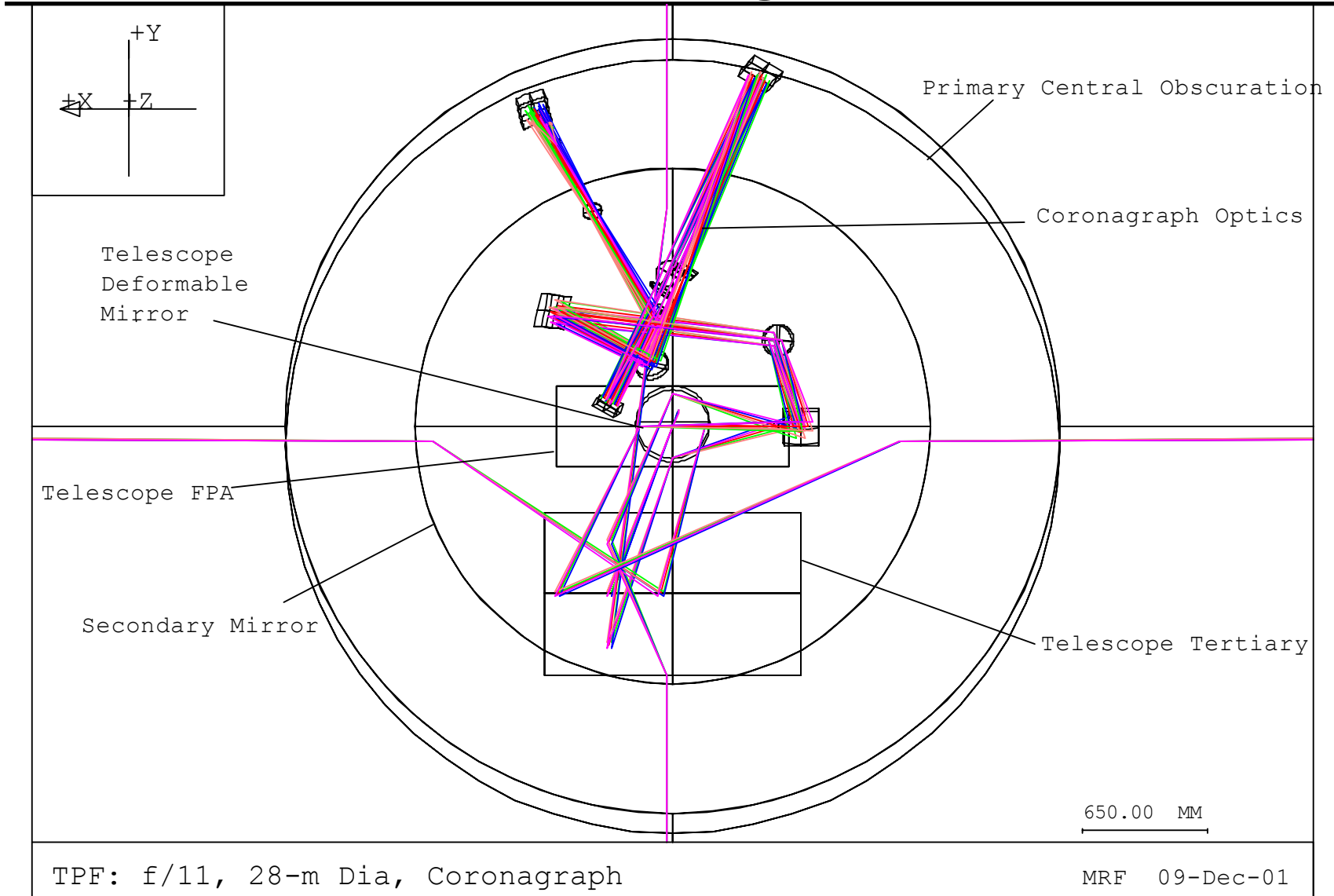
- 
- 15 arcsec square FOV
  - System focal length = 309.7 meters
  - F-number = 11.0234
  - 6 to 45 micron RMS diameter spots
  - Diffraction-limited spot size @ 7 microns = 188 microns
  - 10 reflective surfaces
  - Four transmissive elements:
    - Occulting Spot
    - Lyot Stop
    - Spectral Filter
    - Chromatic Correcting Plate
    - If Occulting Spot is not on a transmissive substrate, the Chromatic Correcting Plate will be deleted.
  - Final imager is a three-mirror anastigmat with three aspheric surfaces.
  - Final Plate Scale = 666 milliarcsec / mm

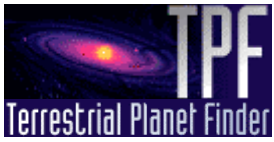


TPF: f/11, 28-m Dia, Coronagraph

MRF 09-Dec-01

# Perspective View From Telescope Field Stop to Coronagraph FP





# Coronagraph Aperture Location on Telescope FP

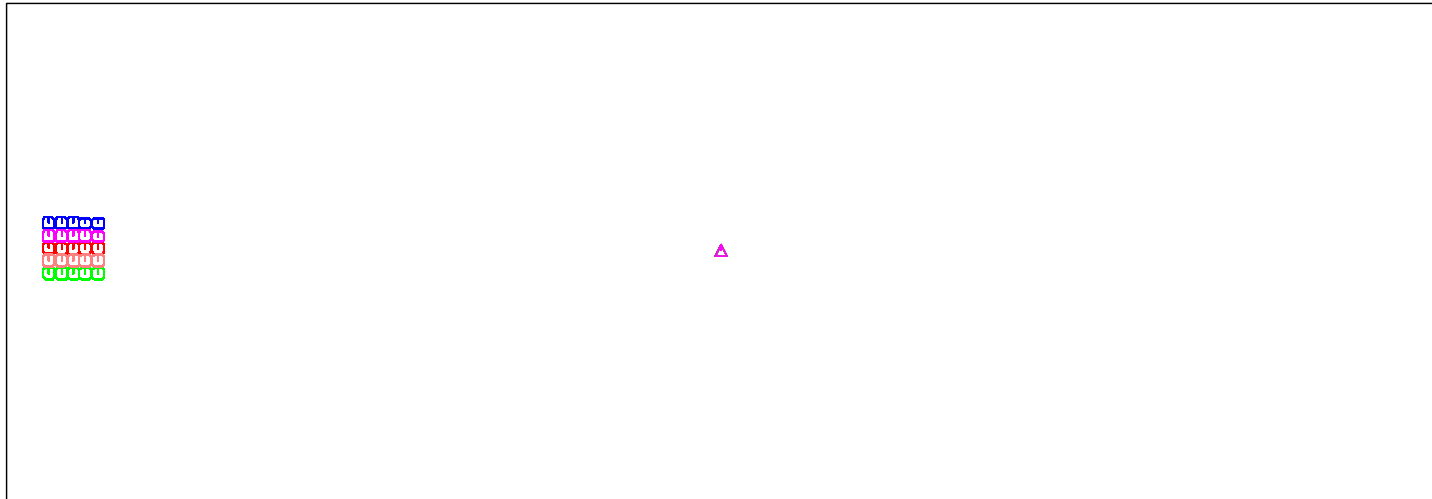
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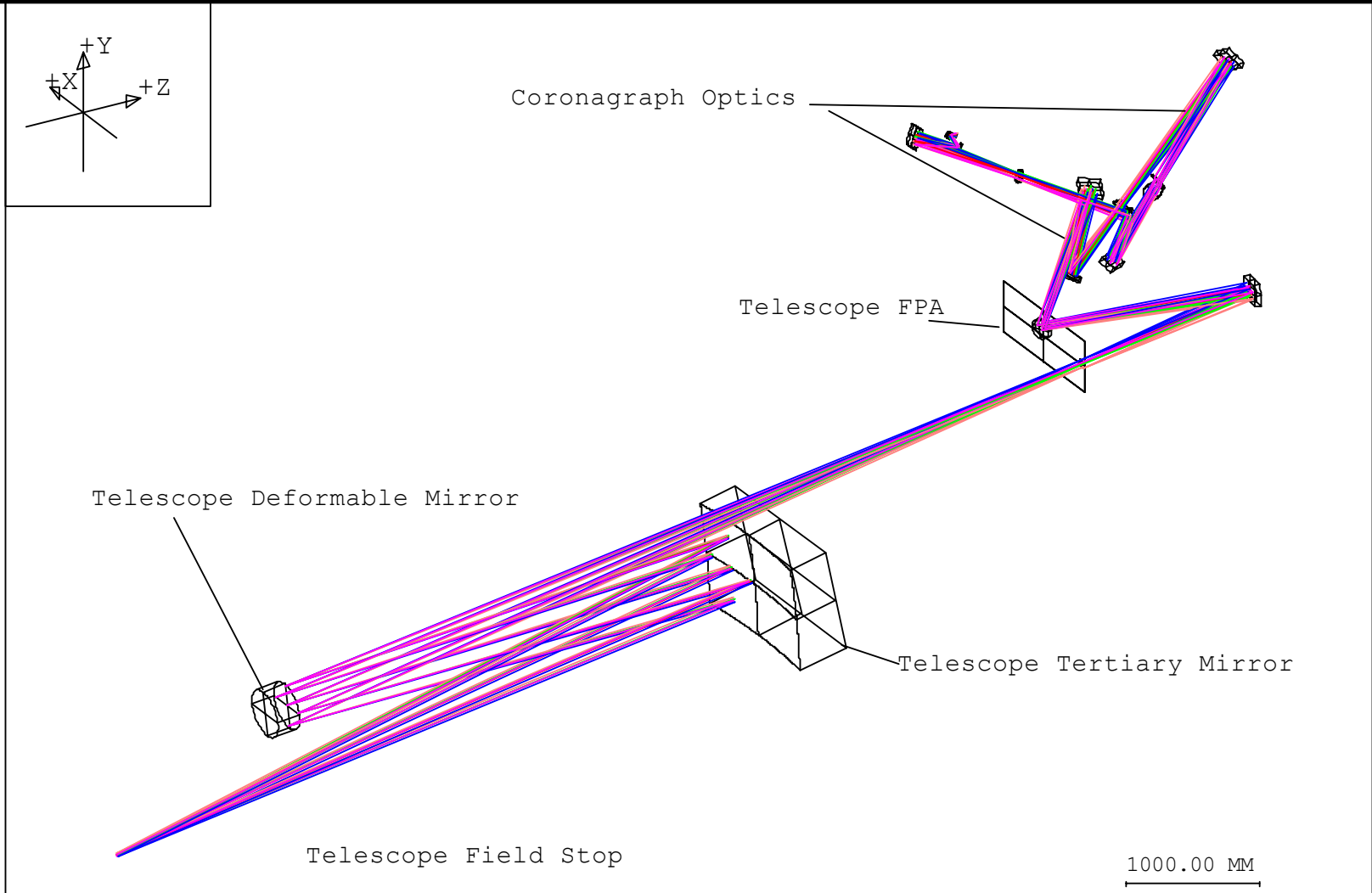
TRW

Focal plane looking out through telescope

Coronagraph FOV: 15 arcsec square (41.19 mm)

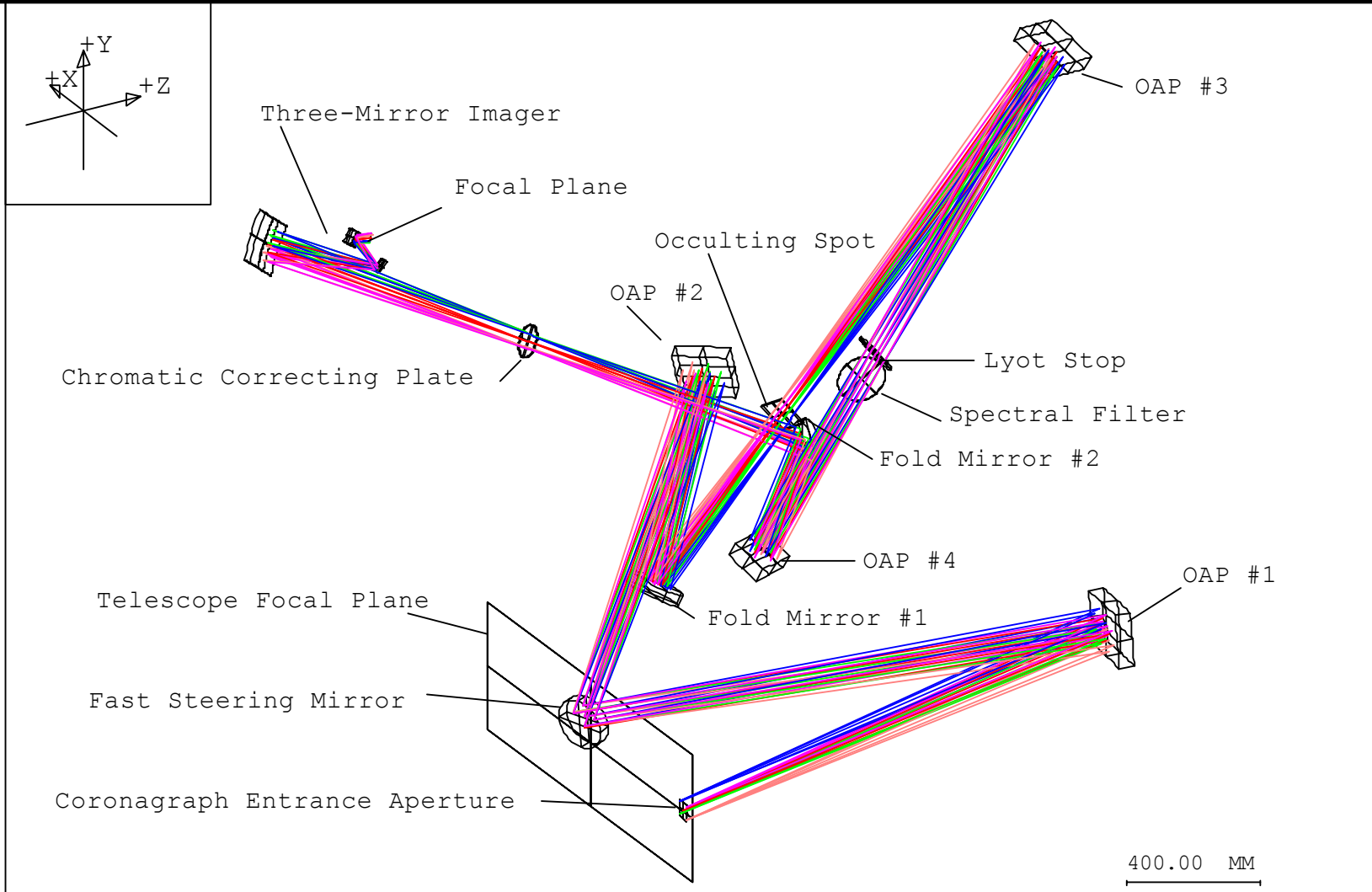
Coronagraph FOV is centered at  $(X,Y) = (0.055, -0.145)$  deg.





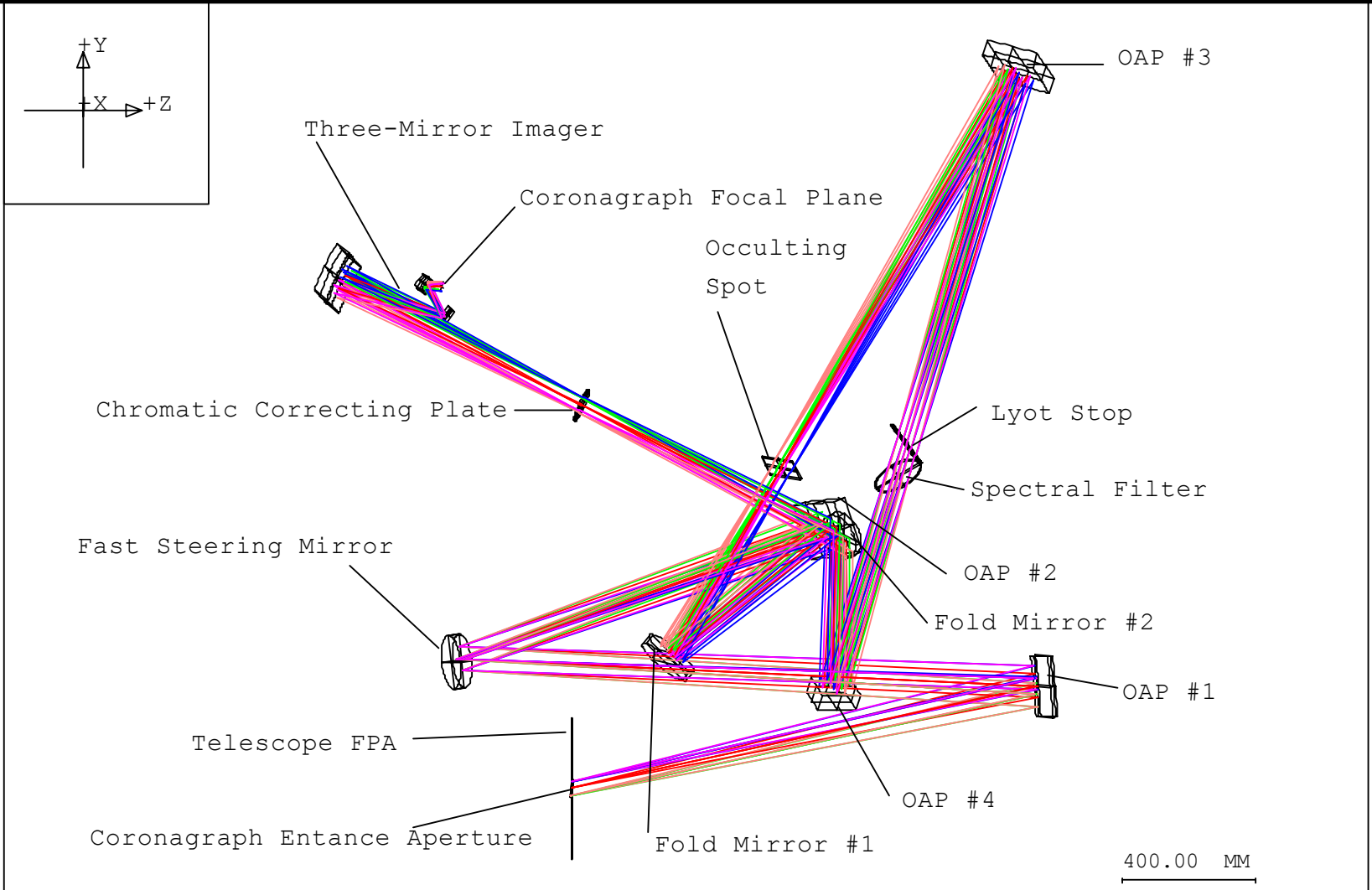
TPF: f/11, 28-m Dia, Coronagraph

MRF 09-Dec-01



TPF: f/11, 28-m Dia, Coronagraph

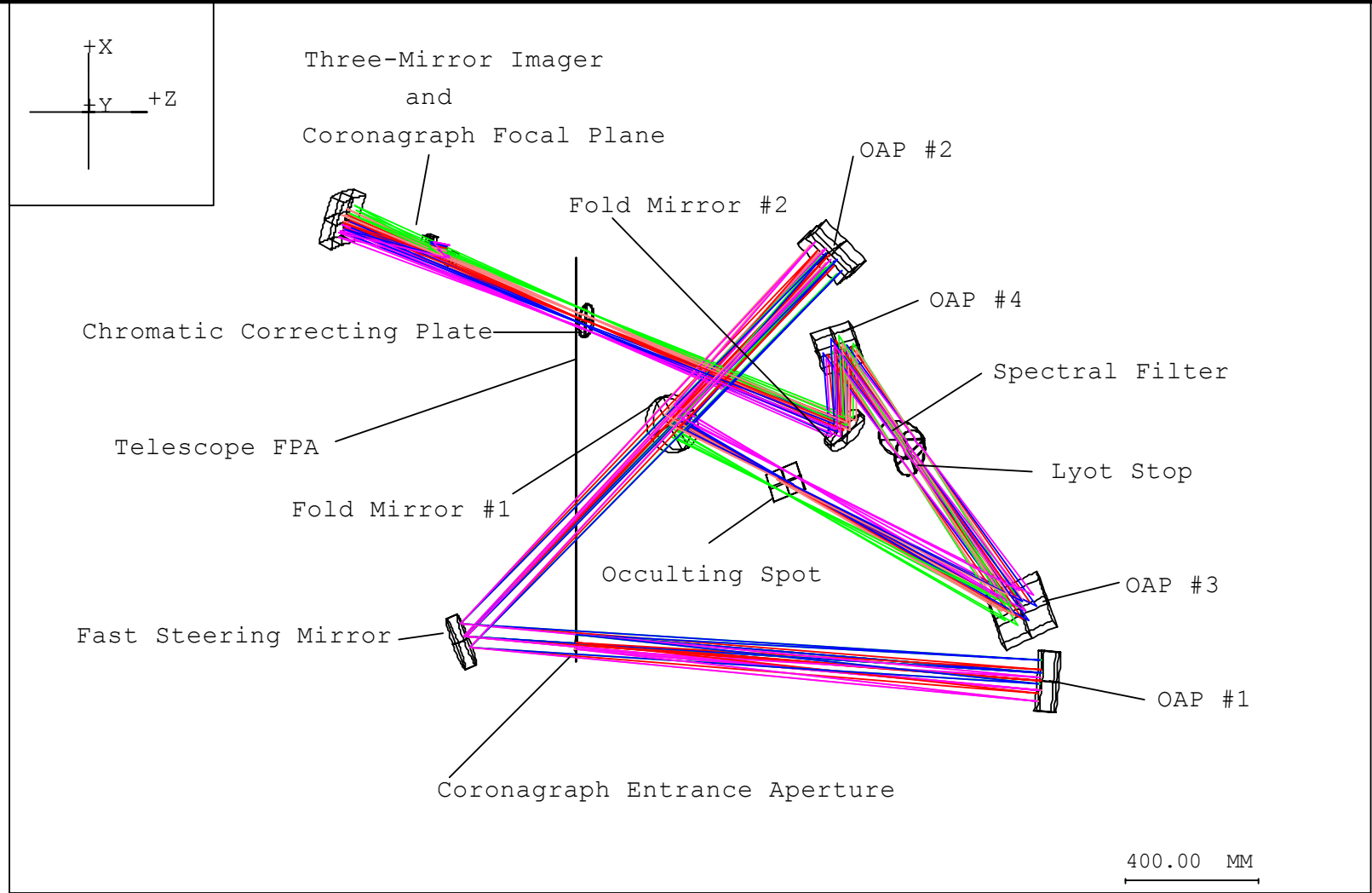
MRF 09-Dec-01



TPF: f/11, 28-m Dia, Coronagraph

MRF 09-Dec-01

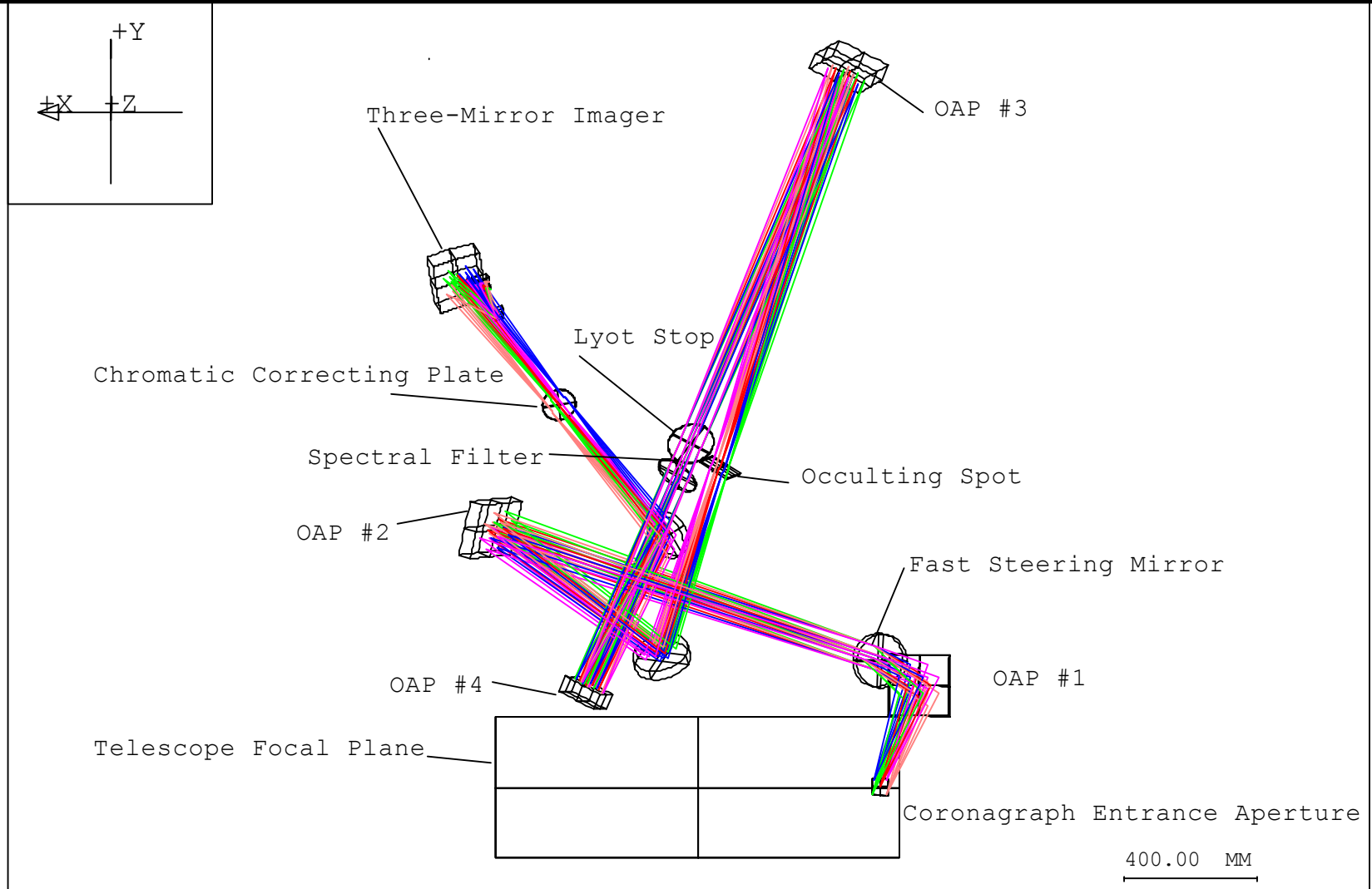




400.00 MM

TPF: f/11, 28-m Dia, Coronagraph

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TPF: f/11, 28-m Dia, Coronagraph

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