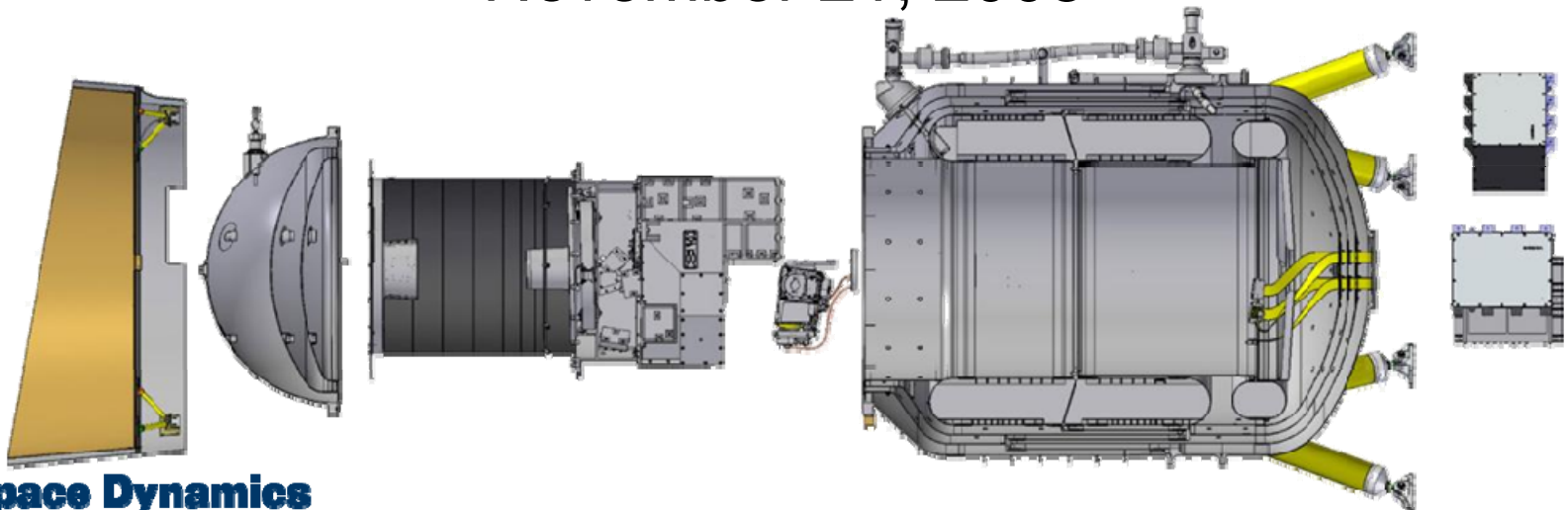


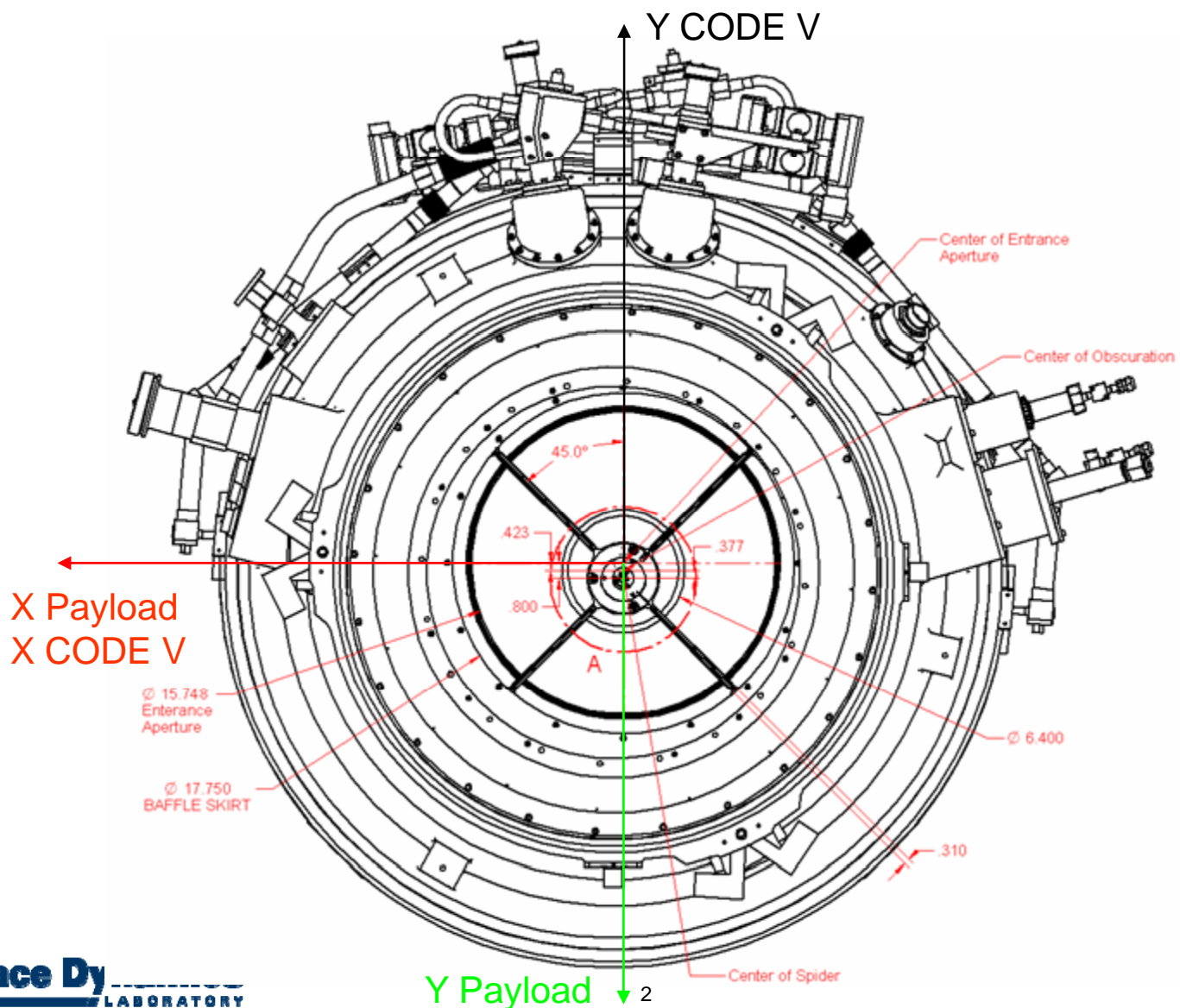


# Afocal Field Points And Orientation for Wavefront Error Tests

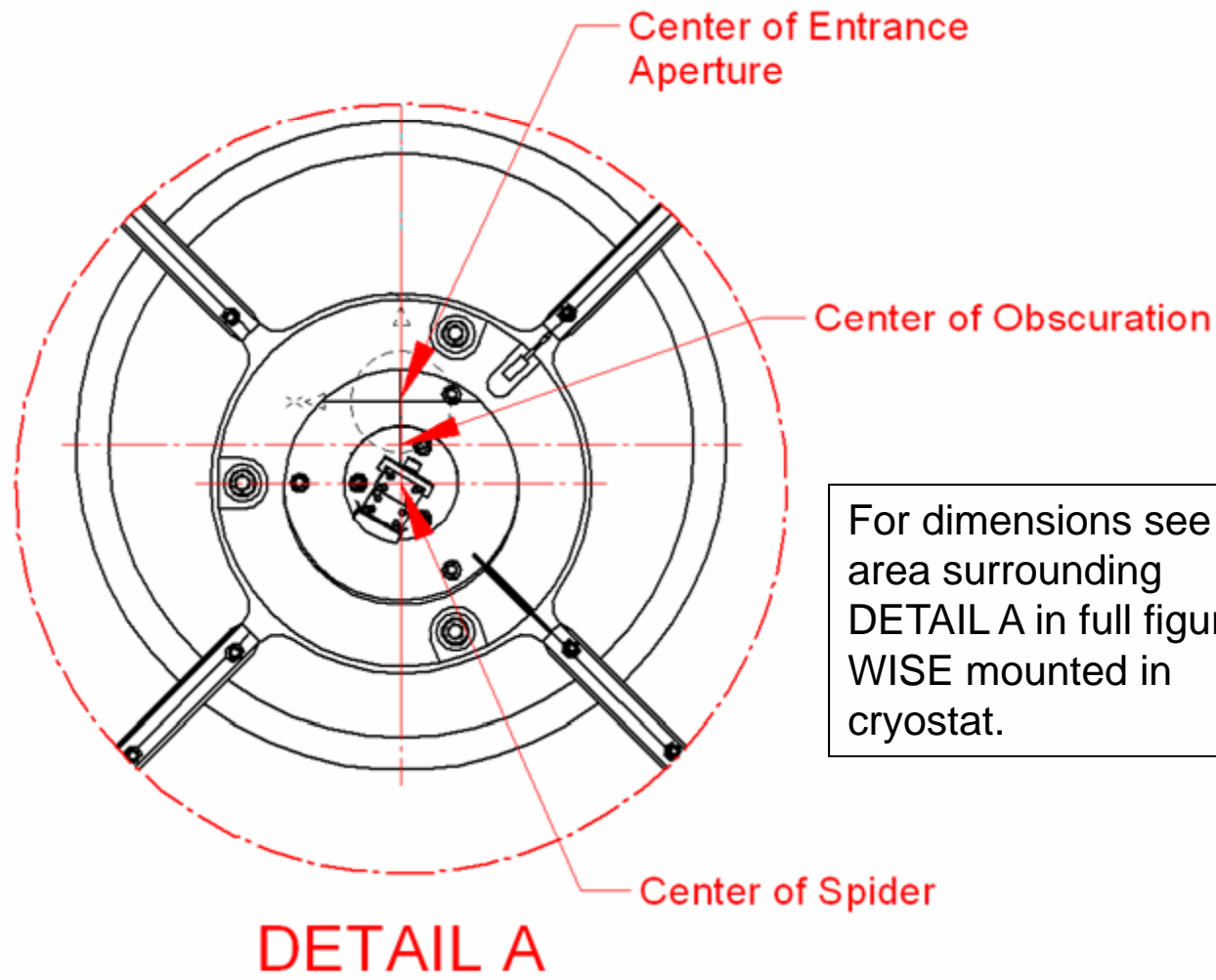
Roy W. Esplin  
Space Dynamics Laboratory  
November 21, 2008



# WISE Orientation for SDL Blue-Tube and MIC2 Tests

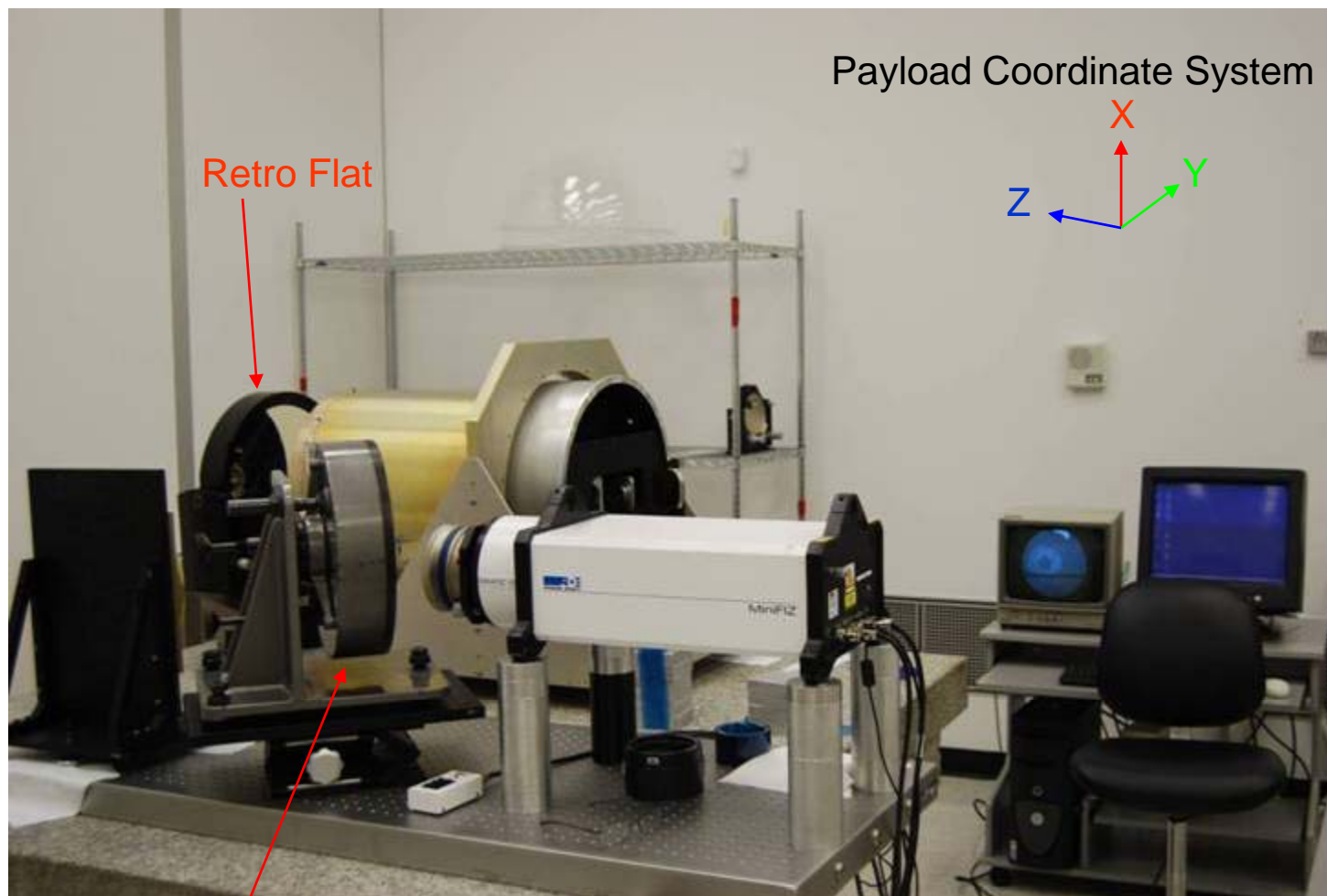


# Center Locations of Entrance Aperture, Obscuration and Spider





# Afocal Room-Temperature Wavefront Error Test Configuration at L3-SSG



Retro Flat

Payload Coordinate System



Fold Flat

Photo from SSG-L3

# Afocal Cryogenic-Temperature Wavefront Error Test Configuration at L3-SSG



Large Retro-Flat in Front of Chamber (Afocal Optics object space)



Small Side Chamber Window



Interferometer

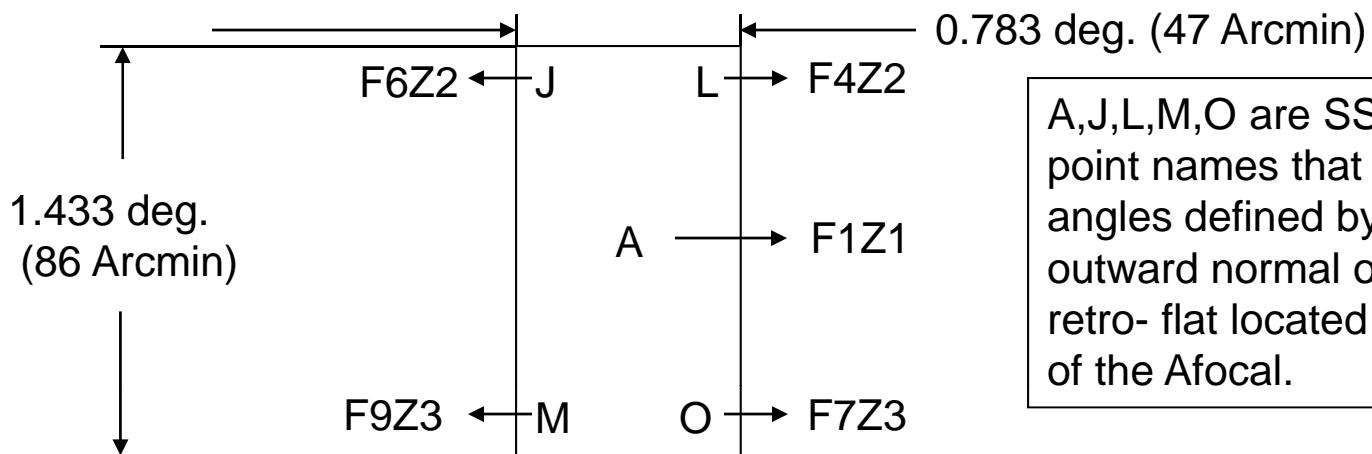
Fold Flat



Slide from WISE Afocal Optics Cryogenic Test Modified\_08Nov08 by L3-SSG with title changed



# Afocal Orientation for all SSG WFE Tests and Field Point Names



A, J, L, M, O are SSG field point names that are the angles defined by the outward normal of the retro- flat located in front of the Afocal.

F1Z1, F4Z2, F6Z2, F7Z3, F9Z3 are the Field number and Zoom of the field points in CODE V models.

X Payload  
X CODE V

Afocal orientation for all wavefront error (WFE) testing

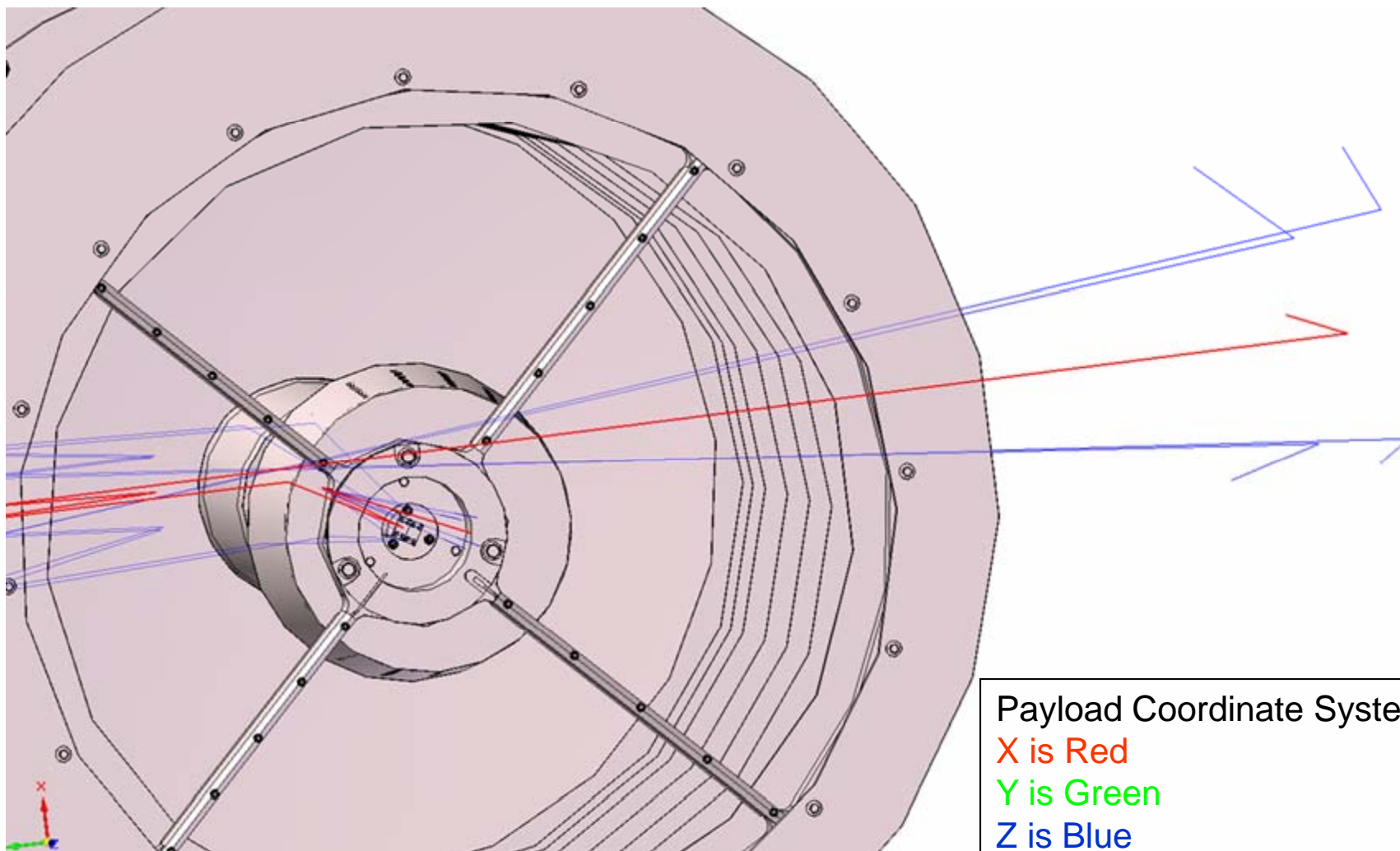
Y Payload



Y CODE V

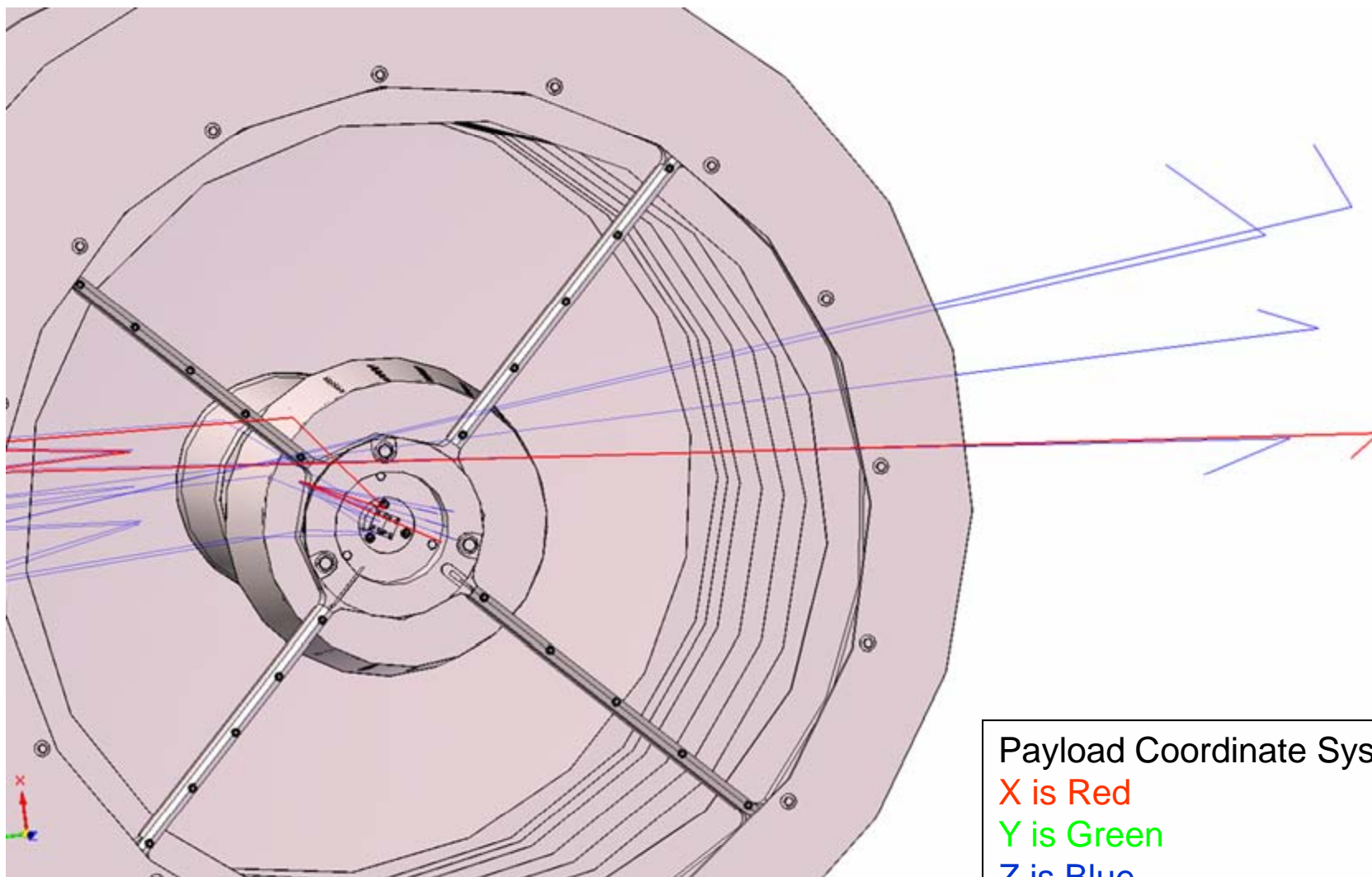


# Afocal Field Point A CODE V F1Z1 View 1



Payload Coordinate System:  
X is Red  
Y is Green  
Z is Blue

# SSG Afocal Field Point L (F4Z2) CODE V F4Z2 View 1

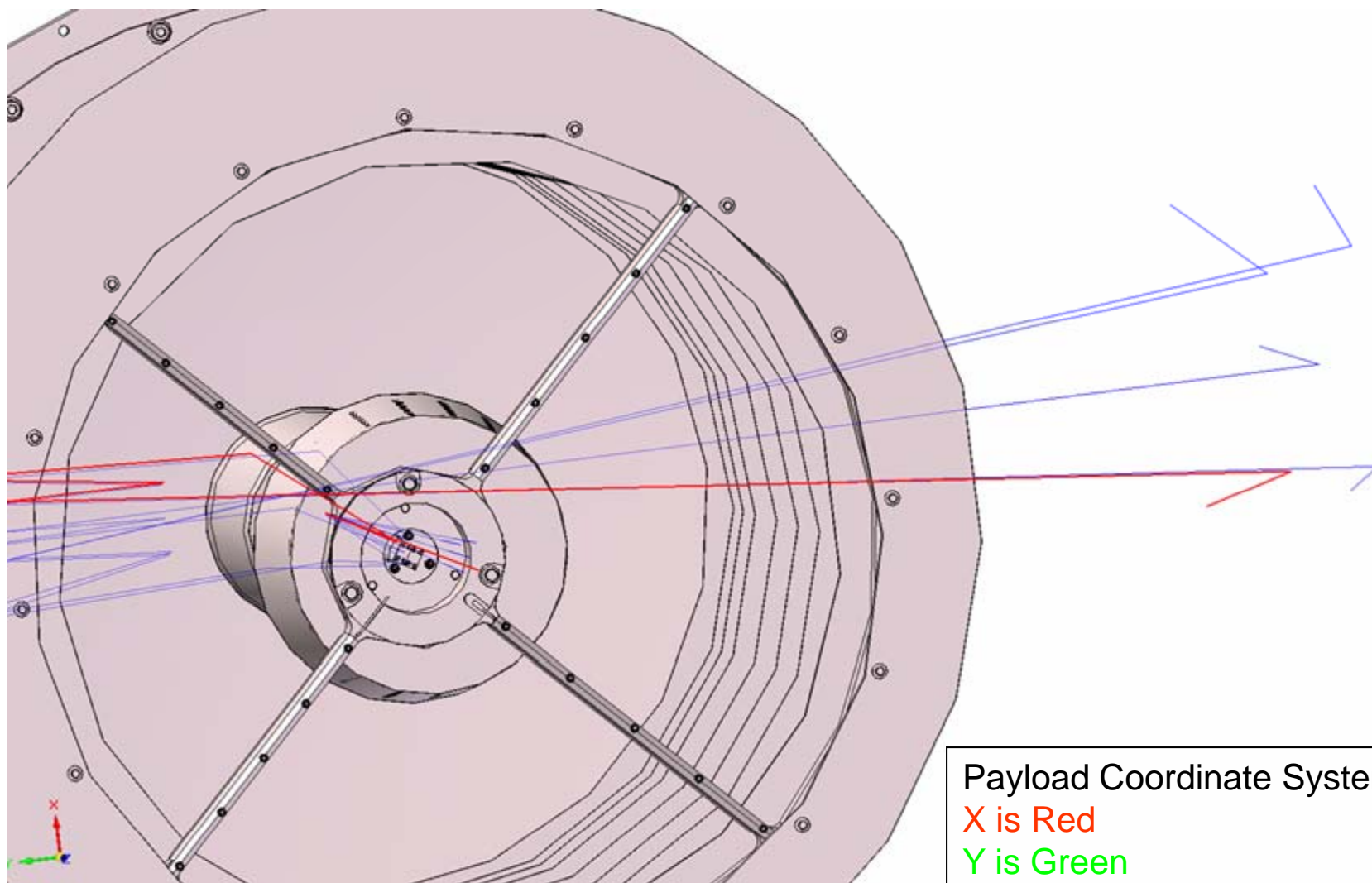


Payload Coordinate System:  
X is Red  
Y is Green  
Z is Blue



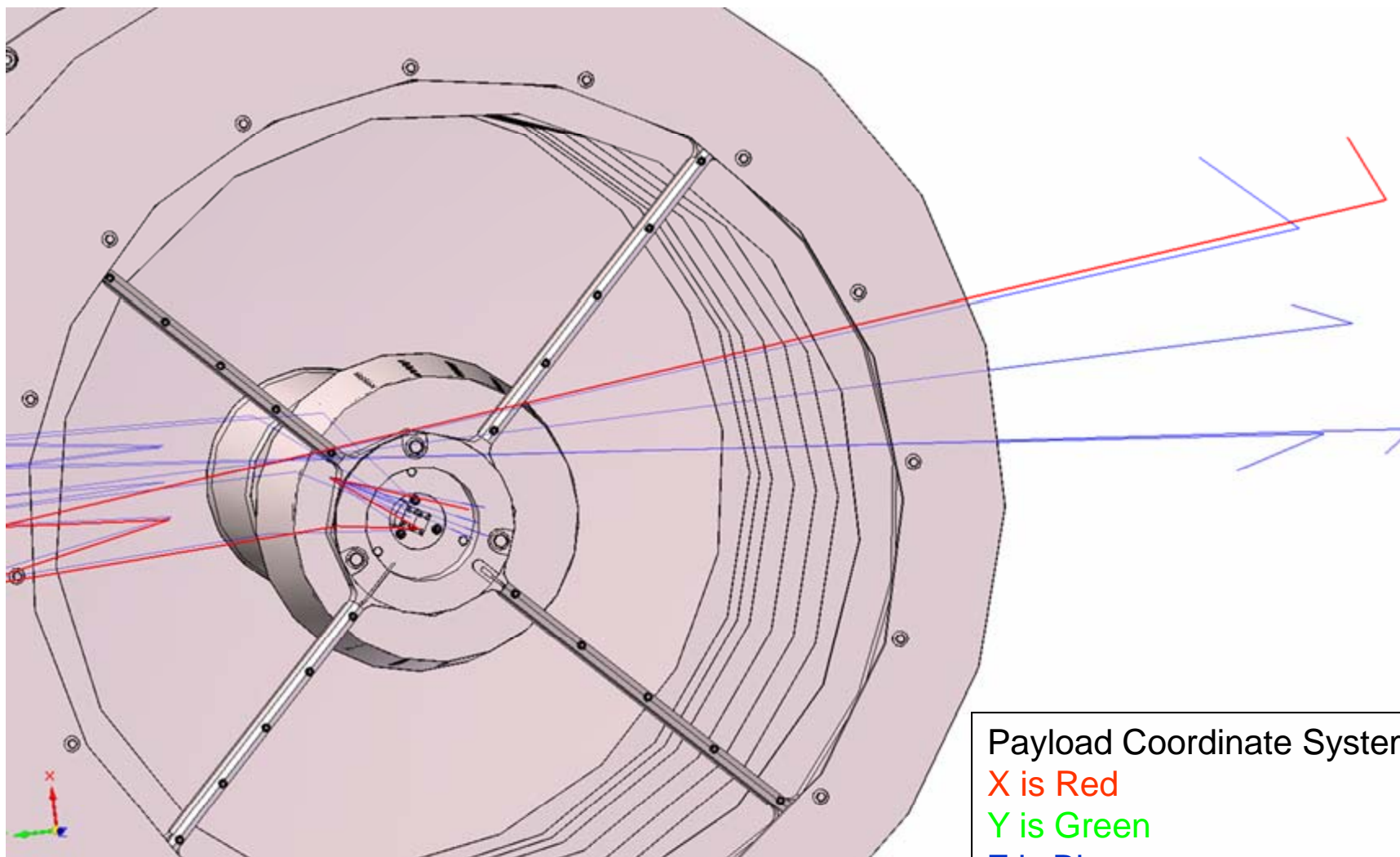


# SSG Afocal Field Point J CODE V F6Z2 View 1



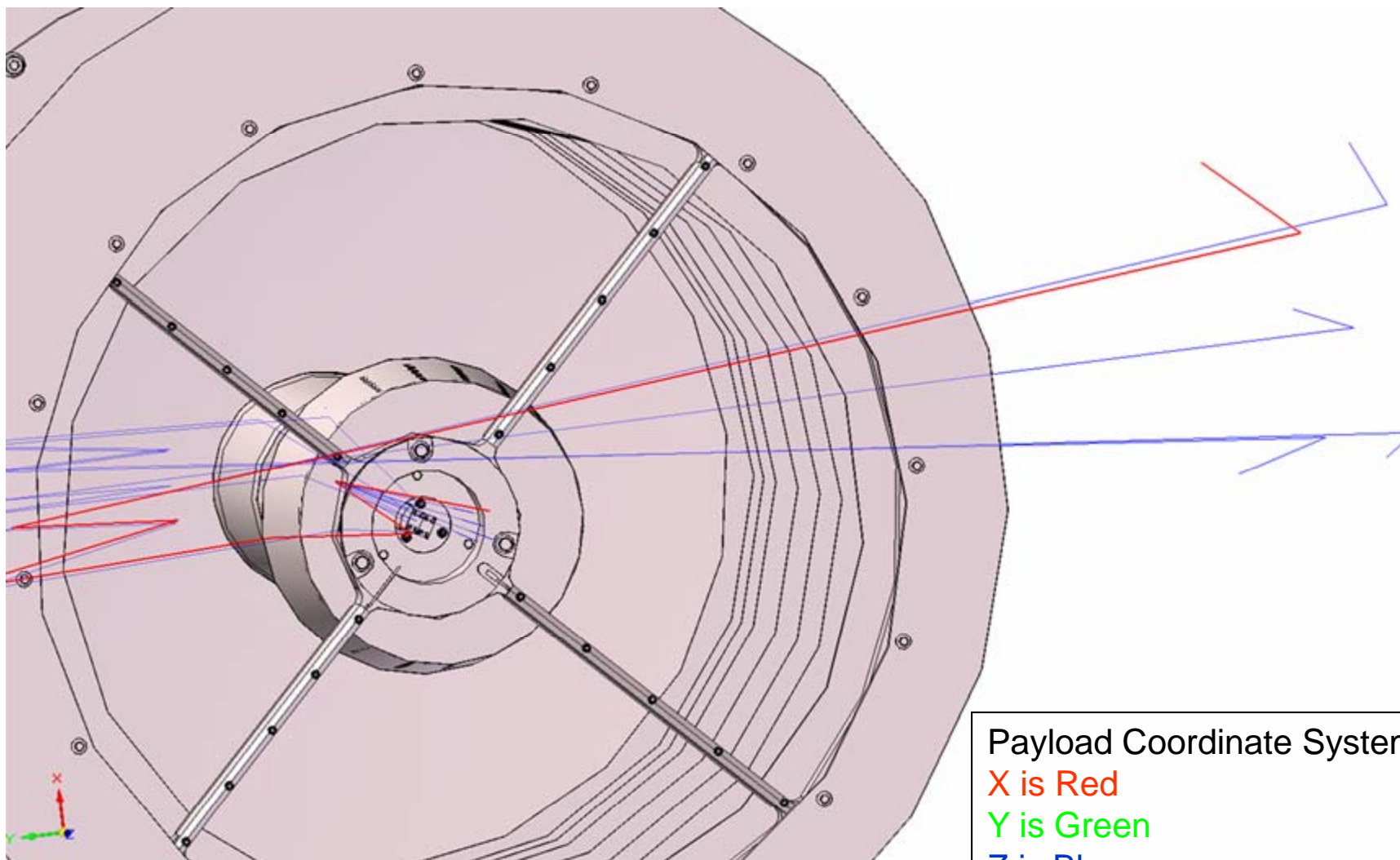
Payload Coordinate System:  
X is Red  
Y is Green  
Z is Blue

# SSG Afocal Field Point O CODE V F7Z3 View 1



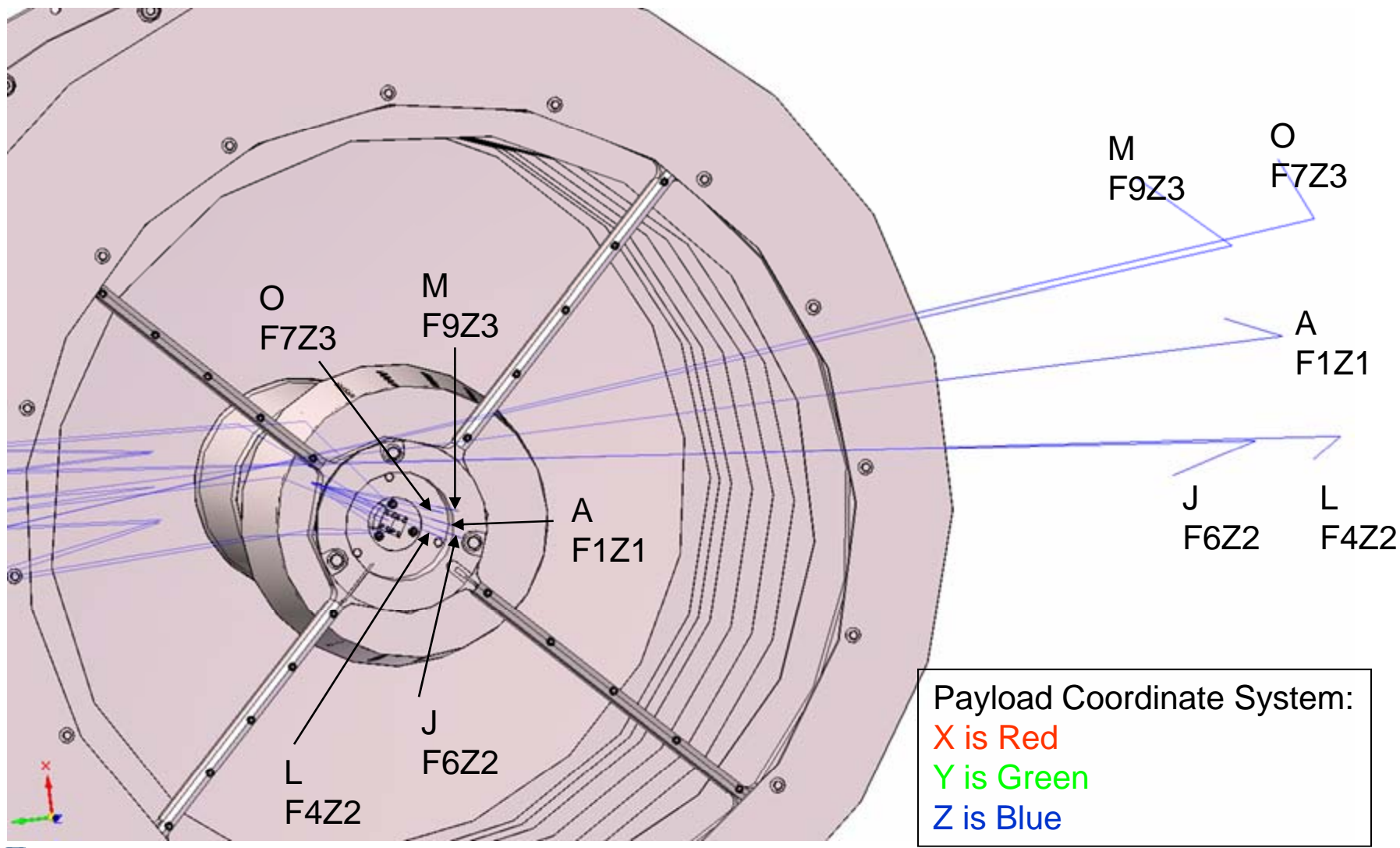
Payload Coordinate System:  
X is Red  
Y is Green  
Z is Blue

# SSG Afocal Field Point M CODE V F9Z3 View 1

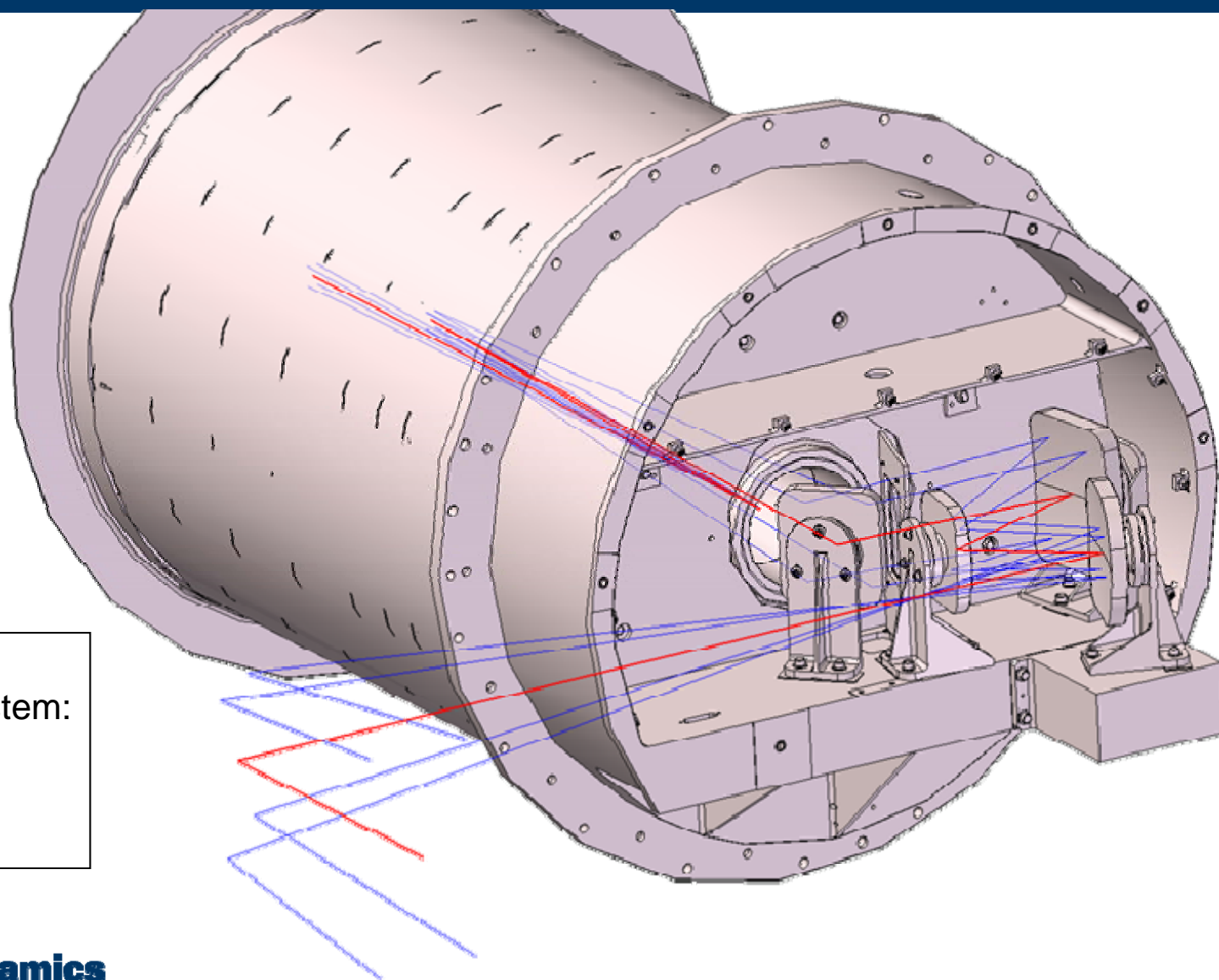


Payload Coordinate System:  
X is Red  
Y is Green  
Z is Blue

# SSG Field Points View 1



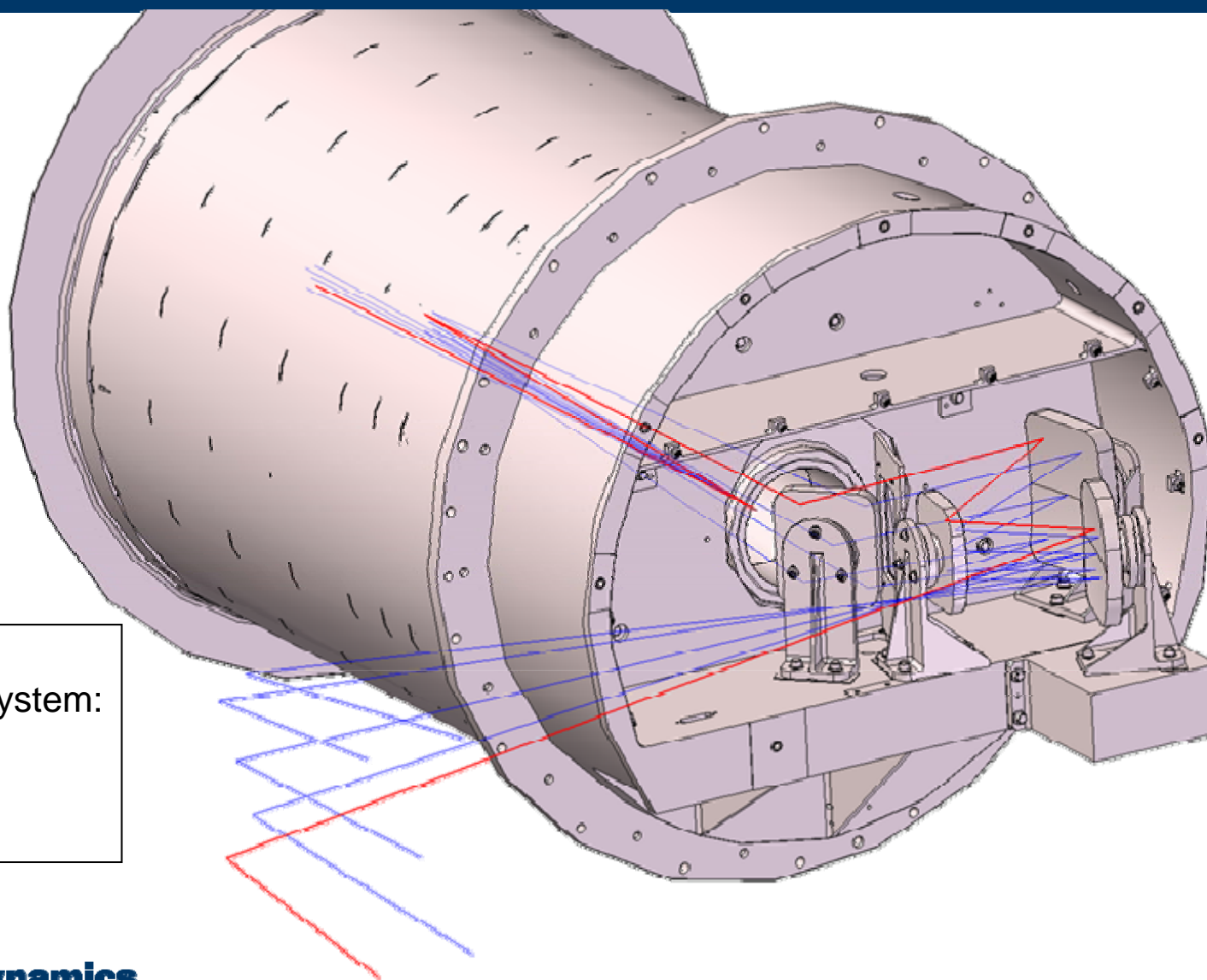
# SSG Afocal Field Point A CODE V F1Z1 View 2



Payload  
Coordinate System:  
X is Red  
Y is Green  
Z is Blue

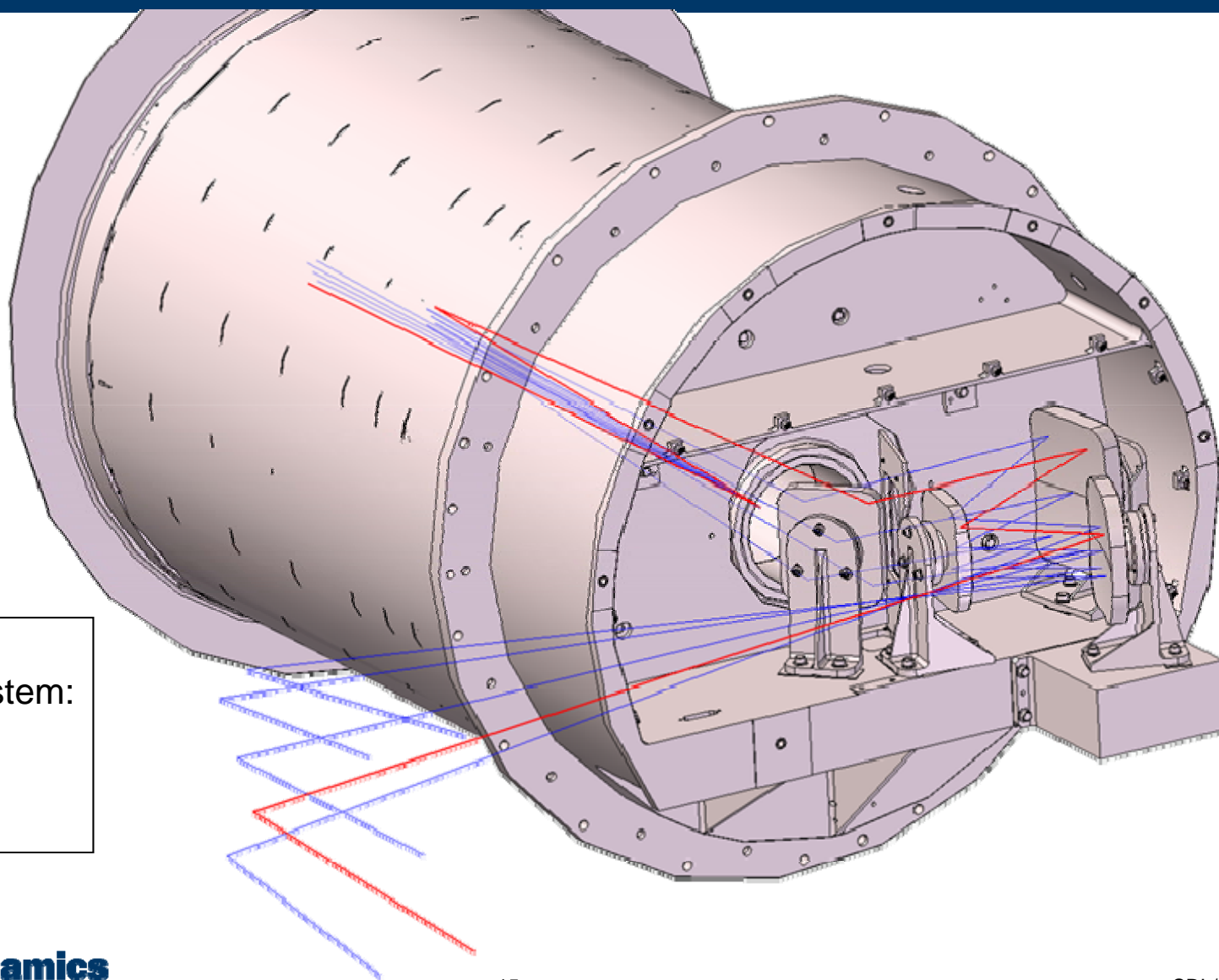
# SSG Afocal Field Point L

## CODE V F4Z2 View 2



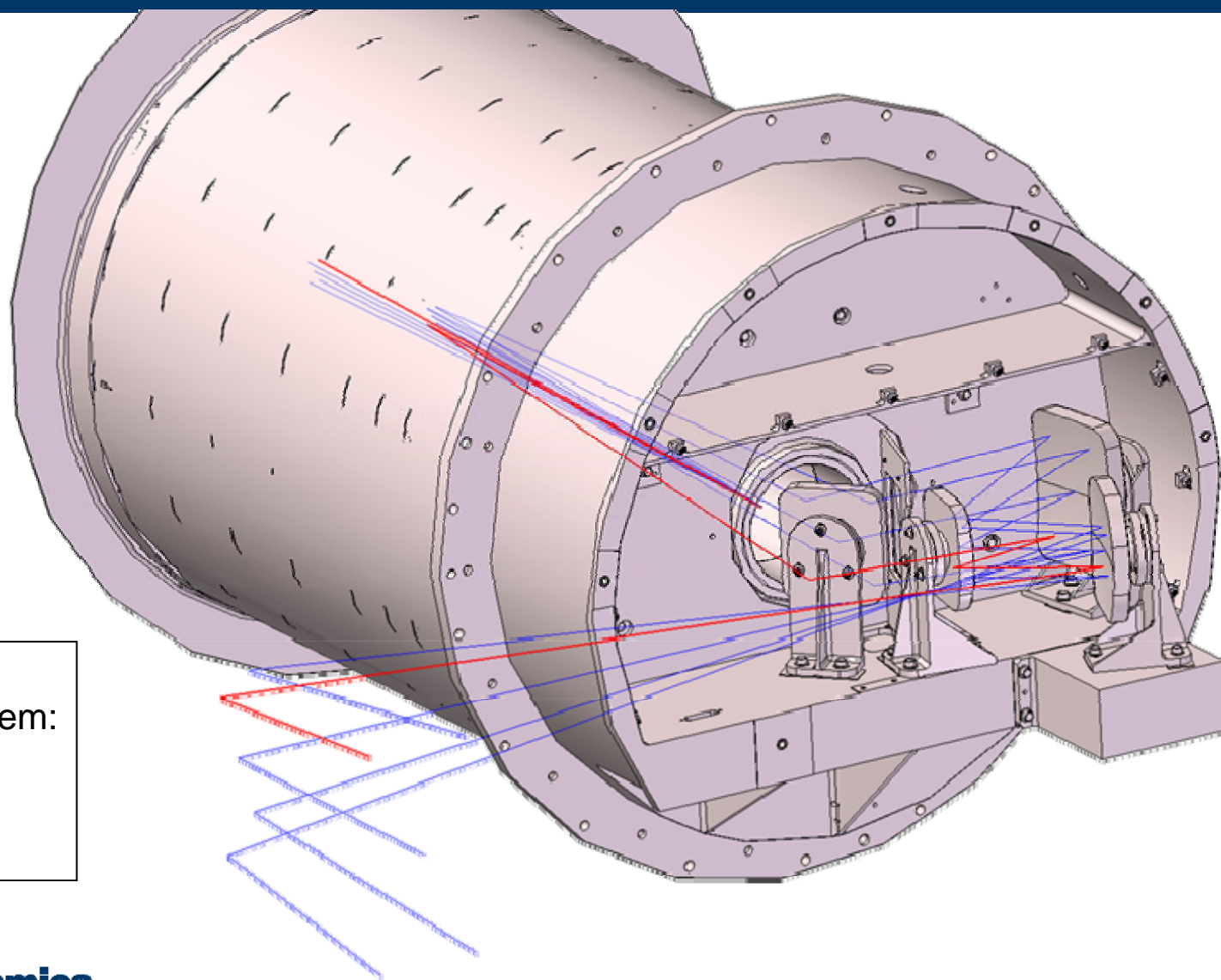
Payload  
Coordinate System:  
X is Red  
Y is Green  
Z is Blue

# SSG Afocal Field Point J CODE V F6Z2 View 2

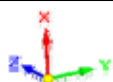


Payload  
Coordinate System:  
X is Red  
Y is Green  
Z is Blue

# SSG Afocal Field Point 0 CODE V F7Z3 View 2

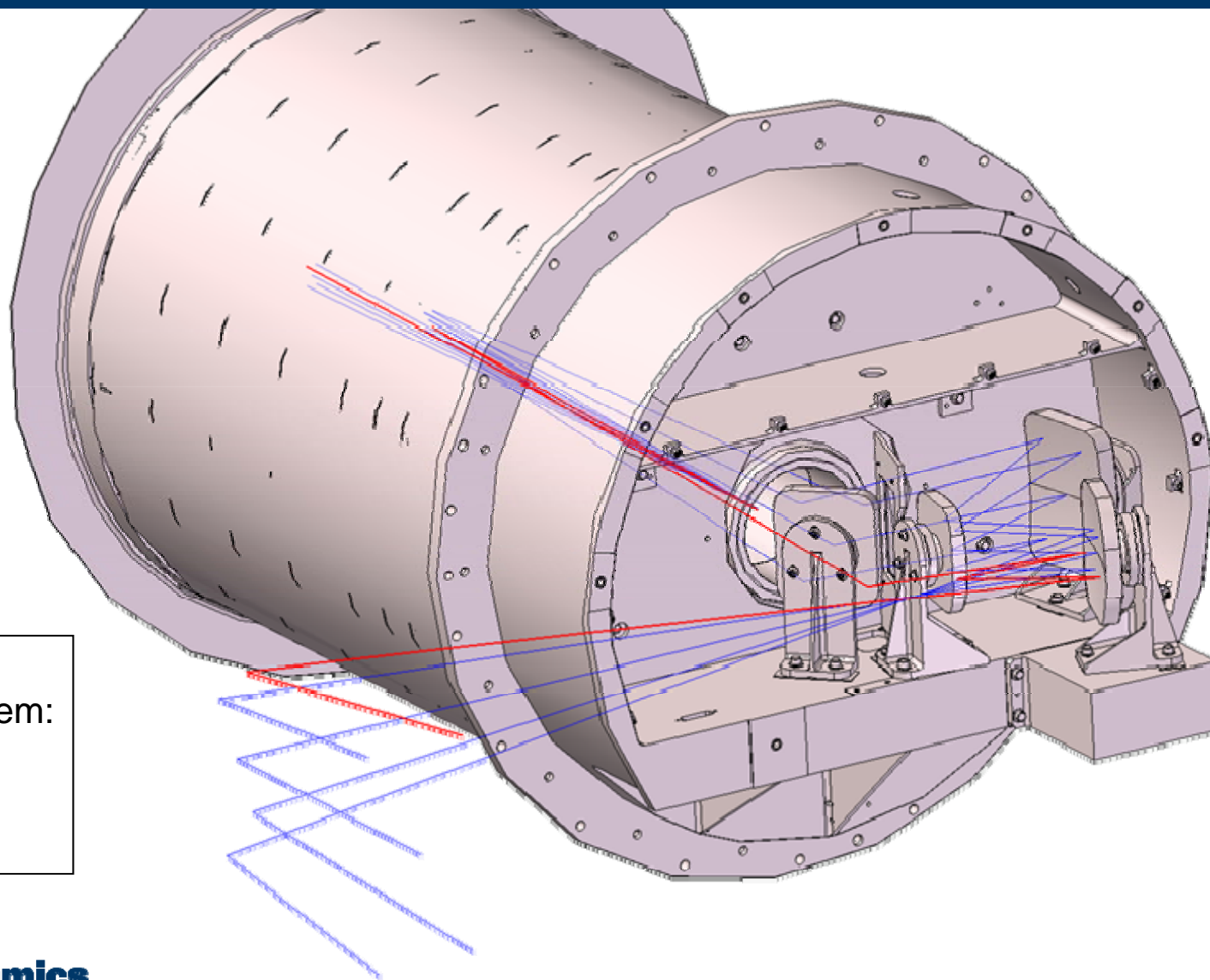


Payload  
Coordinate System:  
X is Red  
Y is Green  
Z is Blue



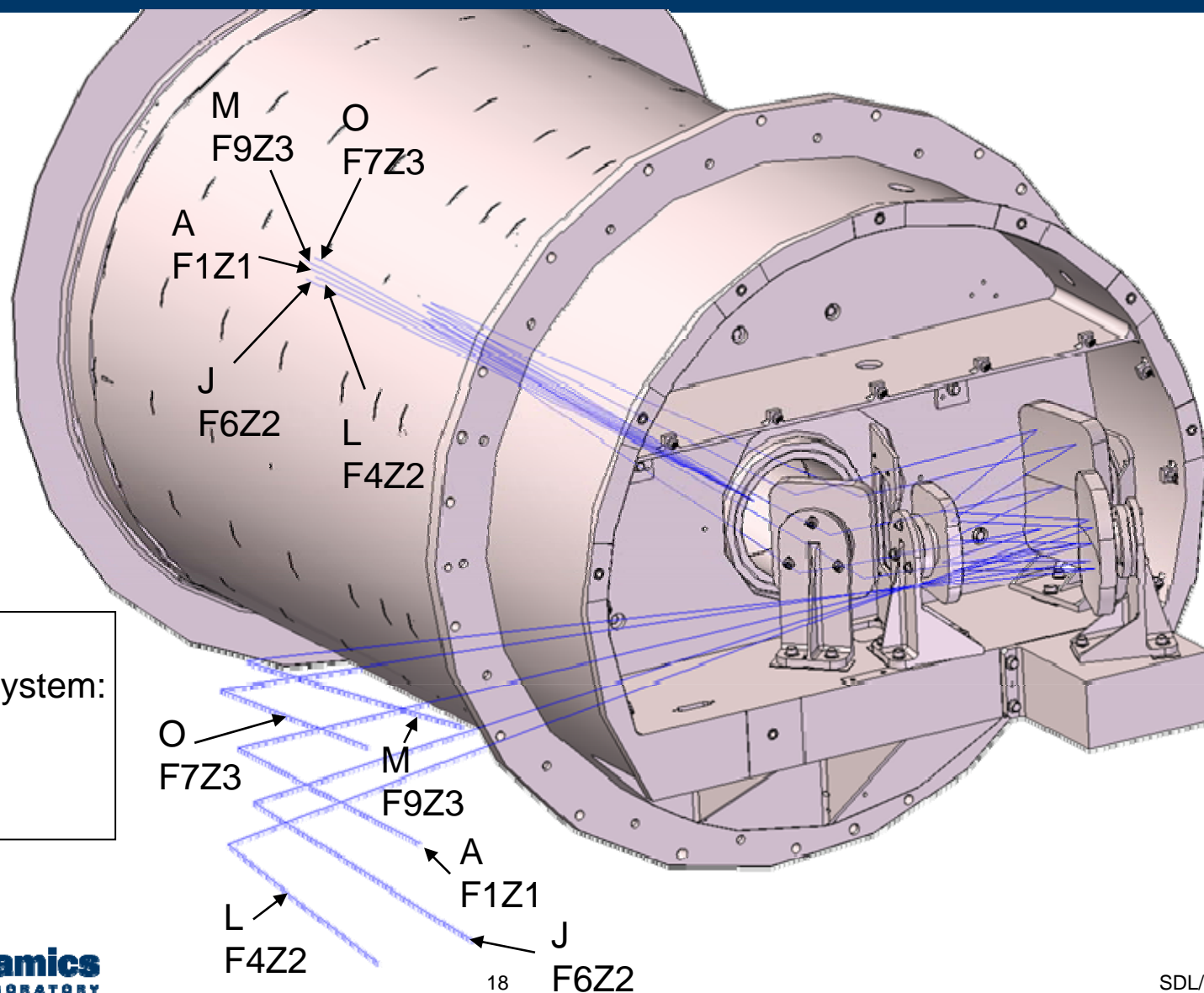


# SSG Afocal Field Point M CODE V F9Z3 View 2



Payload  
Coordinate System:  
X is Red  
Y is Green  
Z is Blue

# SSG Afocal Field Points View 2



Payload  
Coordinate System:  
X is Red  
Y is Green  
Z is Blue