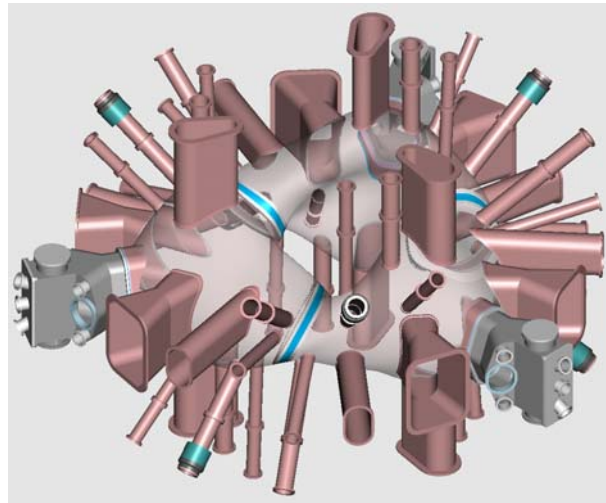# NCSX Engineering Status Meeting

May 7, 2003
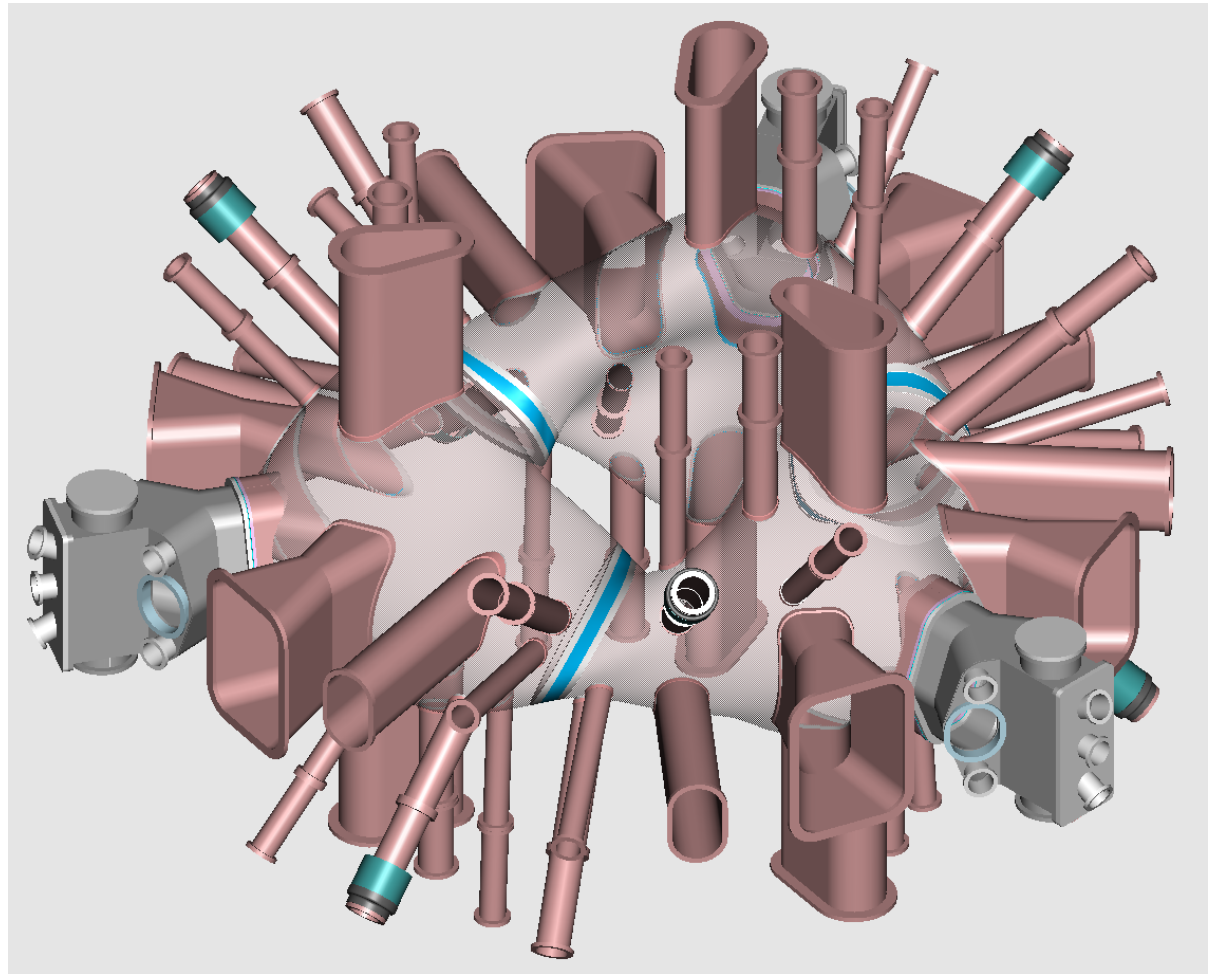
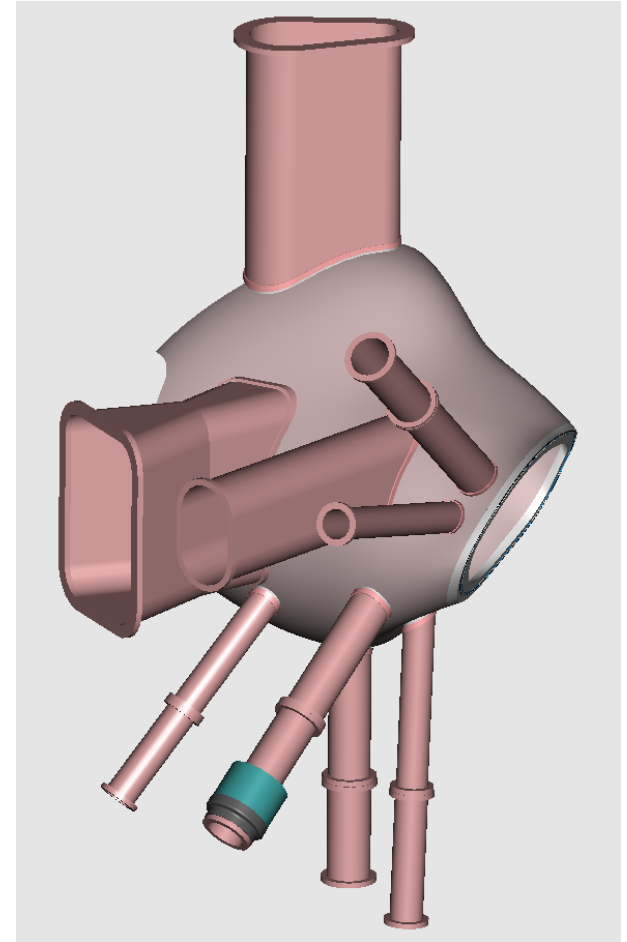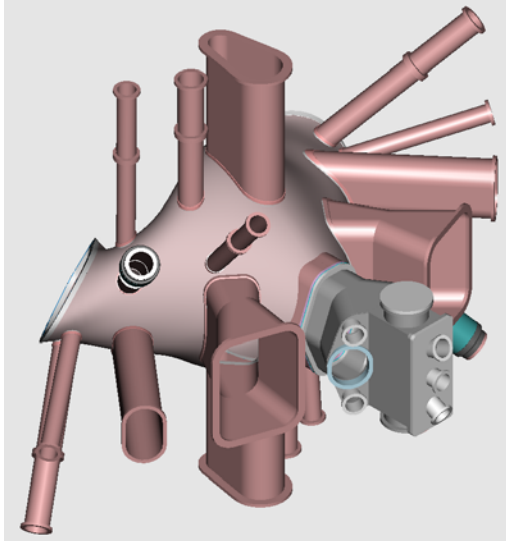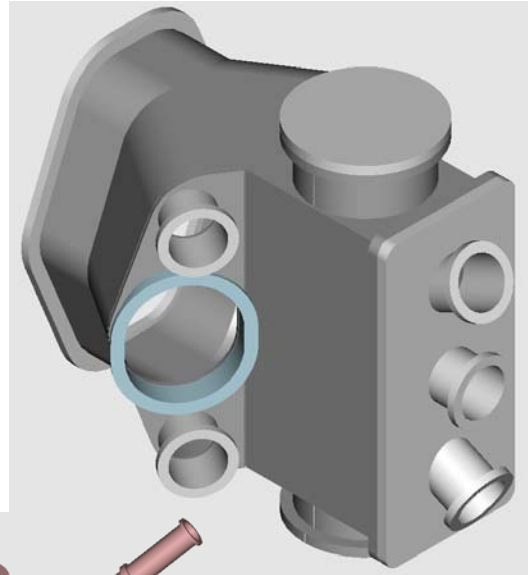# Vacuum Vessel Status

Vacuum Vessel

Vacuum Vessel

• Shell surface has been updated to reflect max/min reqts from Art Brooks

• Port 4 has been modified to reflect new geometry from Russ Feder

• Currently working on spacer and vv supports

• Model has been passed to Art Brooks and Fred Dahlgren for stress analysis

2

Vacuum Vessel
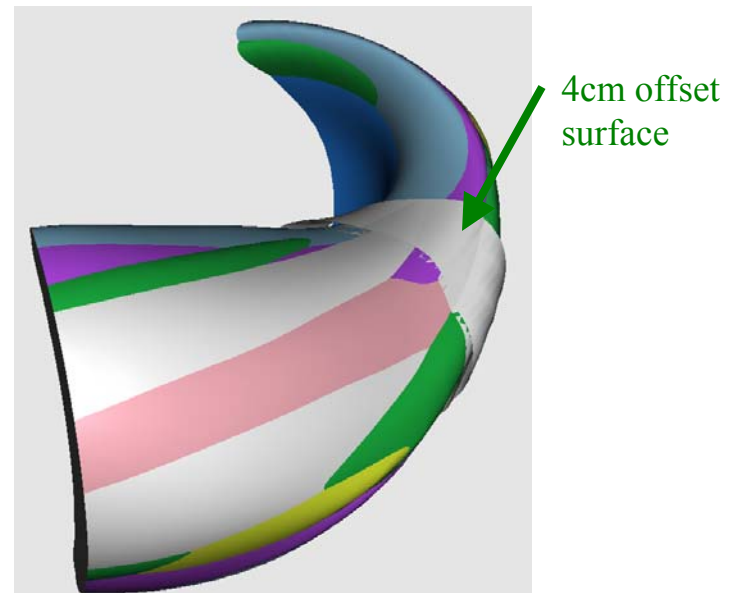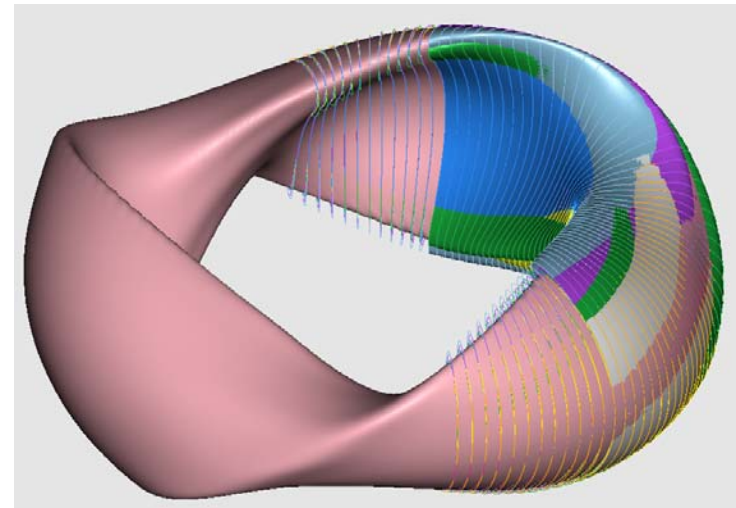
Vacuum Vessel Ports

- 9 ports half period

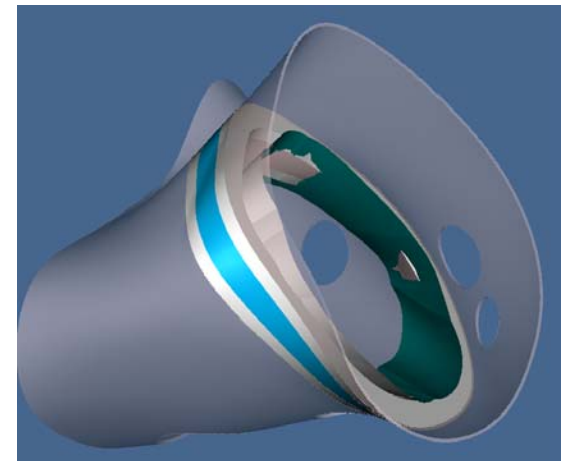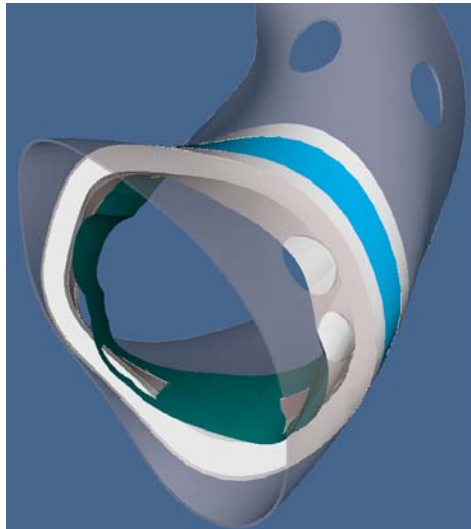- 11 Ports on NB

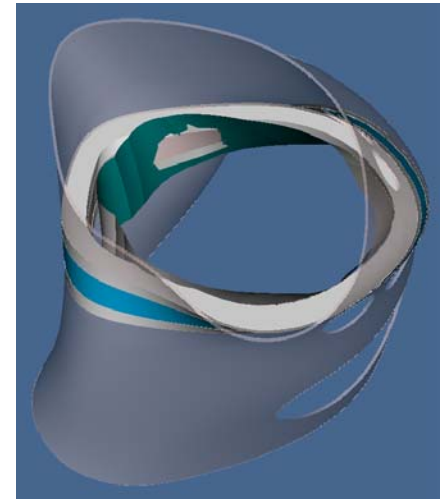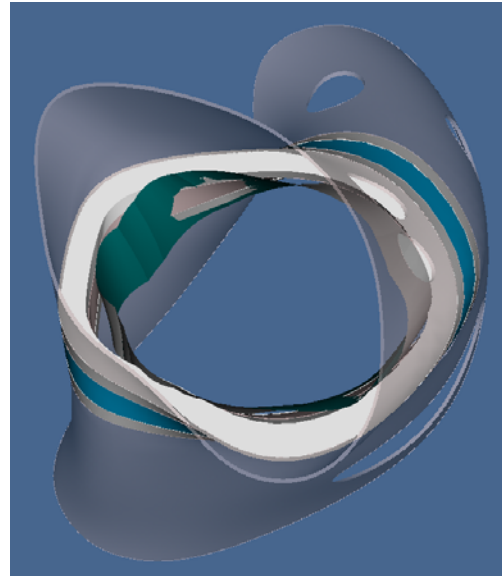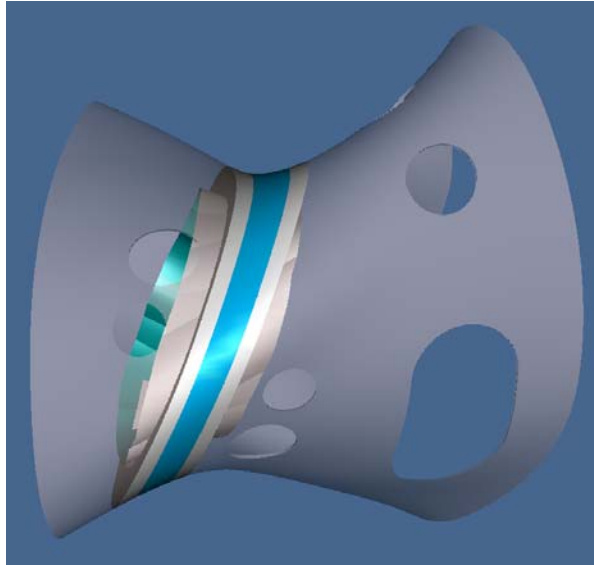- Total Ports per Period 29

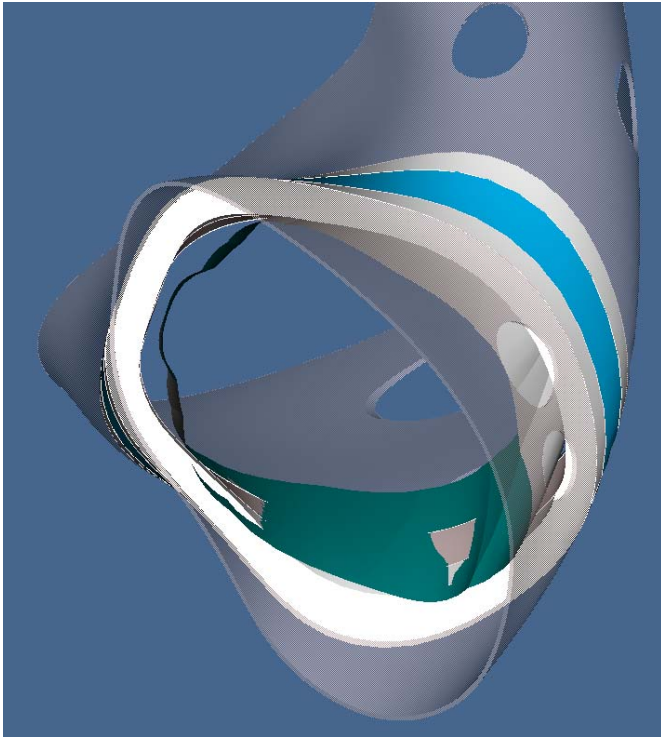- 87 Ports on VV

Vacuum Vessel

Plasma configurations

- Brad Nelson developed the Plasma shapes from Neil Pomphrey
- These shapes were used to generate a surface 4cm from the composite plasma shapes

4cm offset surface
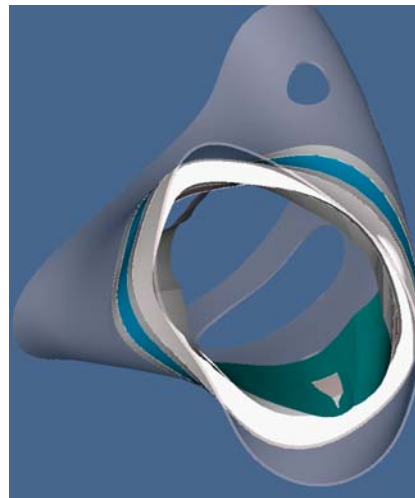
Vacuum Vessel

Vacuum Vessel

The spacer shape will be modified in this region.

The shape will be modified by moving the vessel surface in this region.