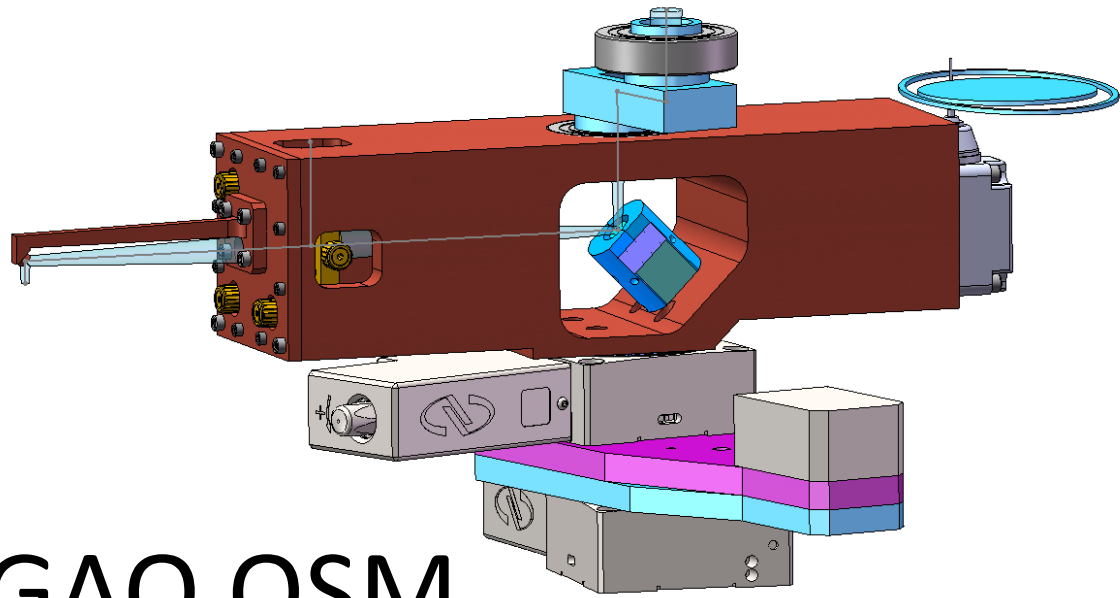


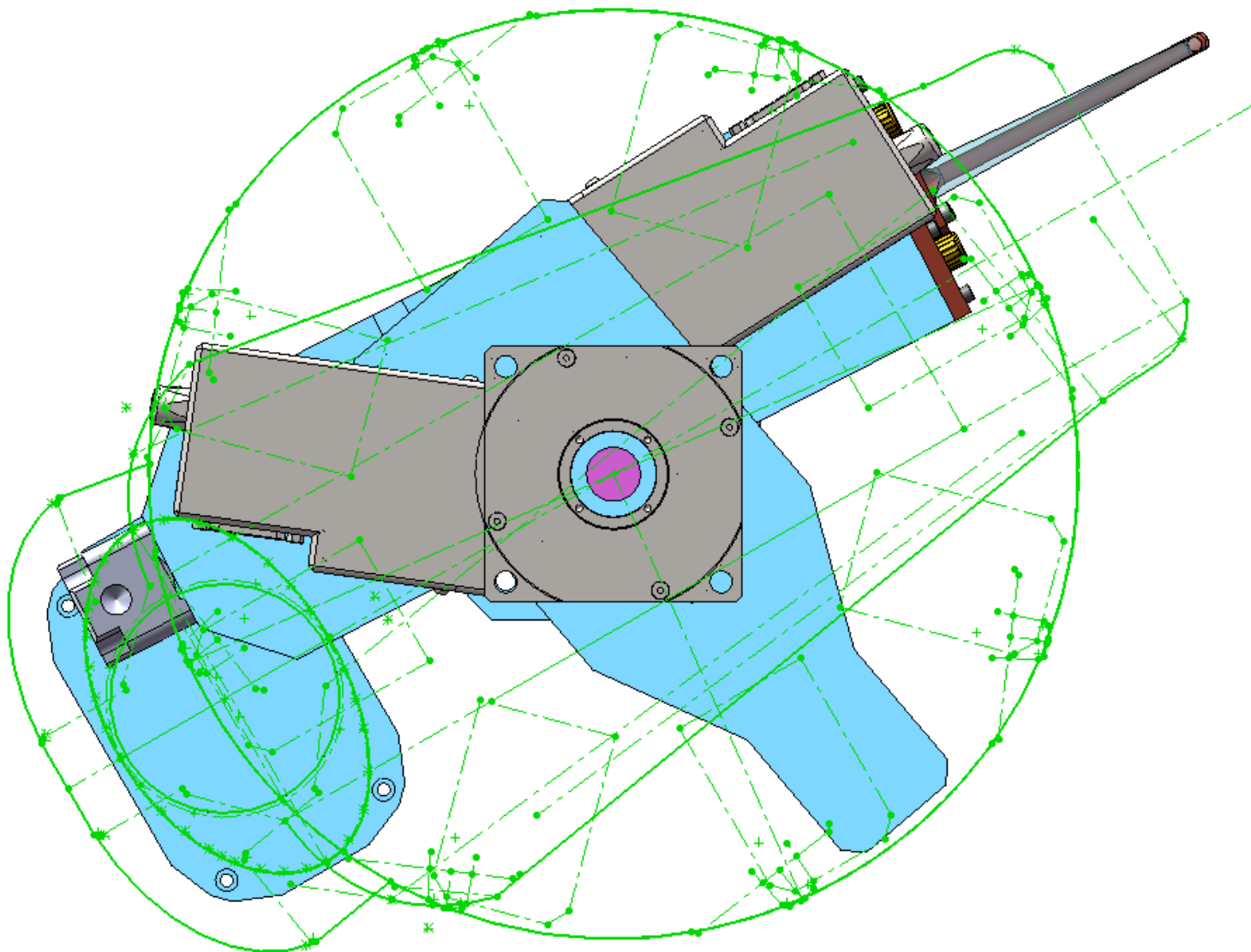


NGAO OSM

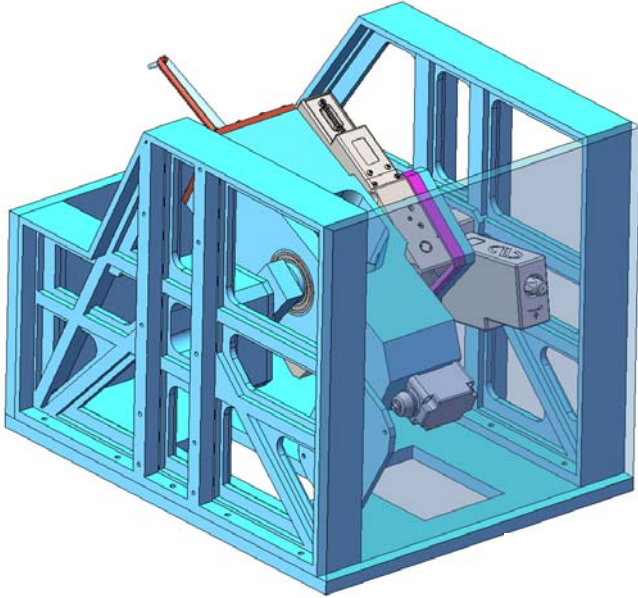
Design Study Update

Alex Delacroix
08/25/2009
Version 13

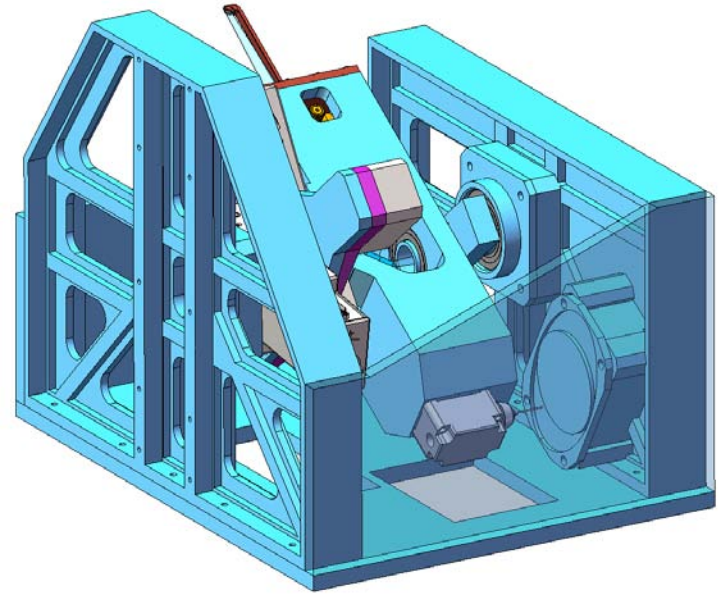
RANGE OF MOTION ENVELOPE



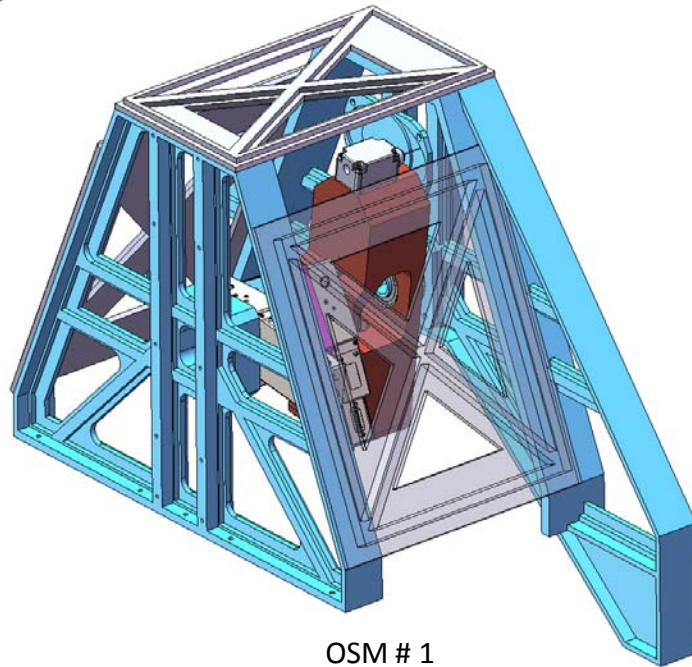
OSM UNITS ASSY



OSM # 3
($a_1 = -20$)

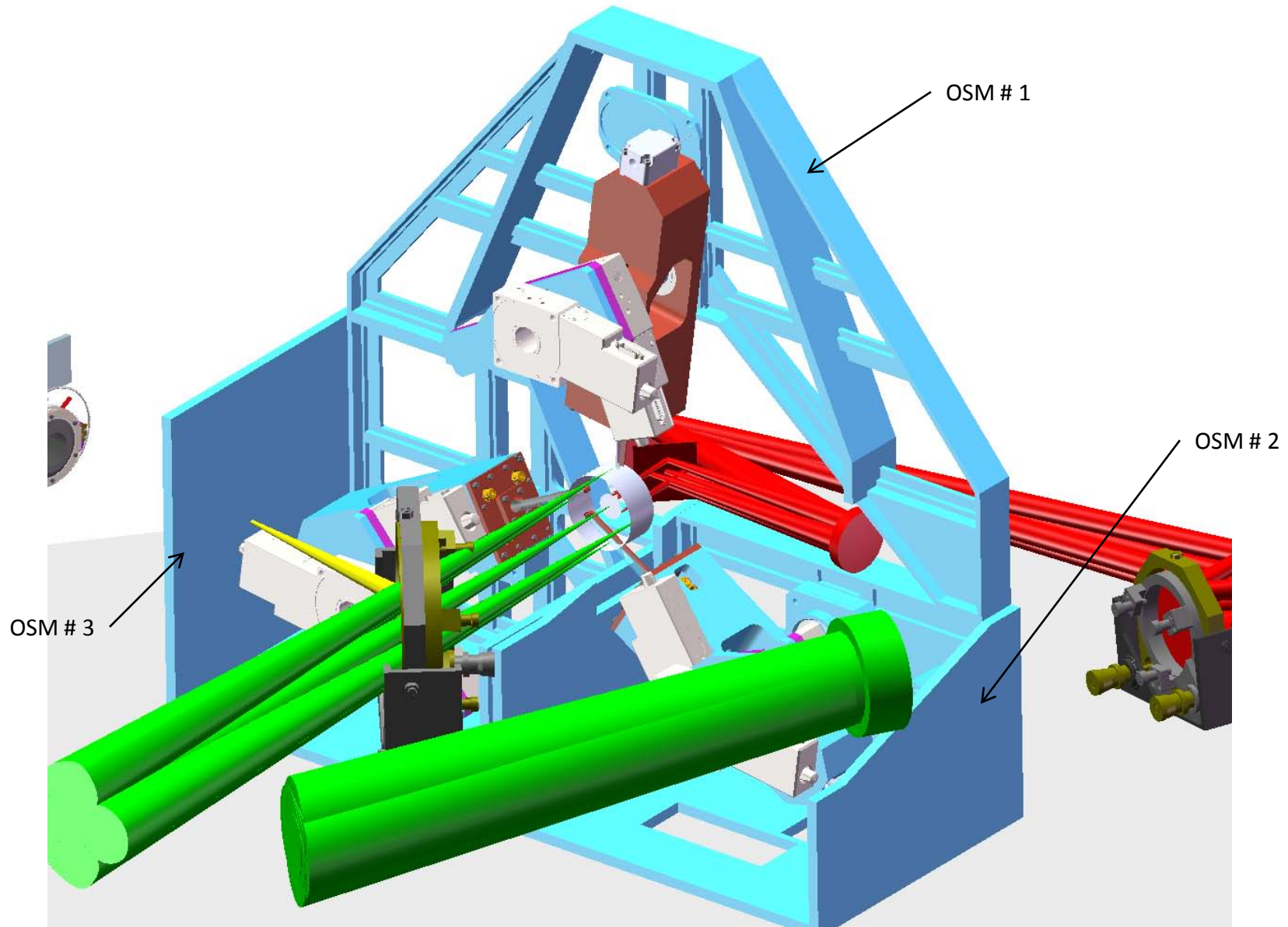


OSM # 2
($a_1 = -5$)

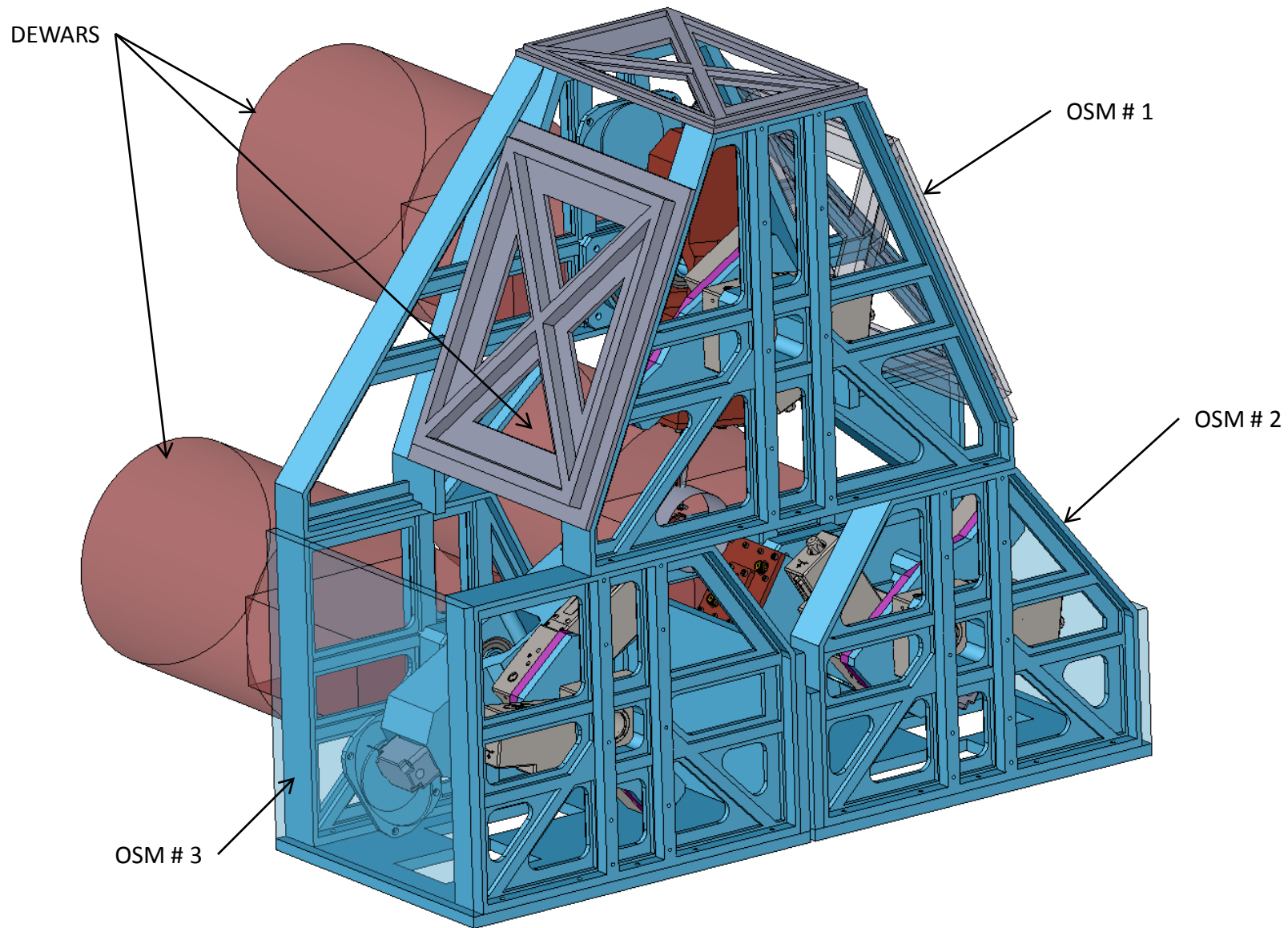


OSM # 1
($a_1 = 10$)

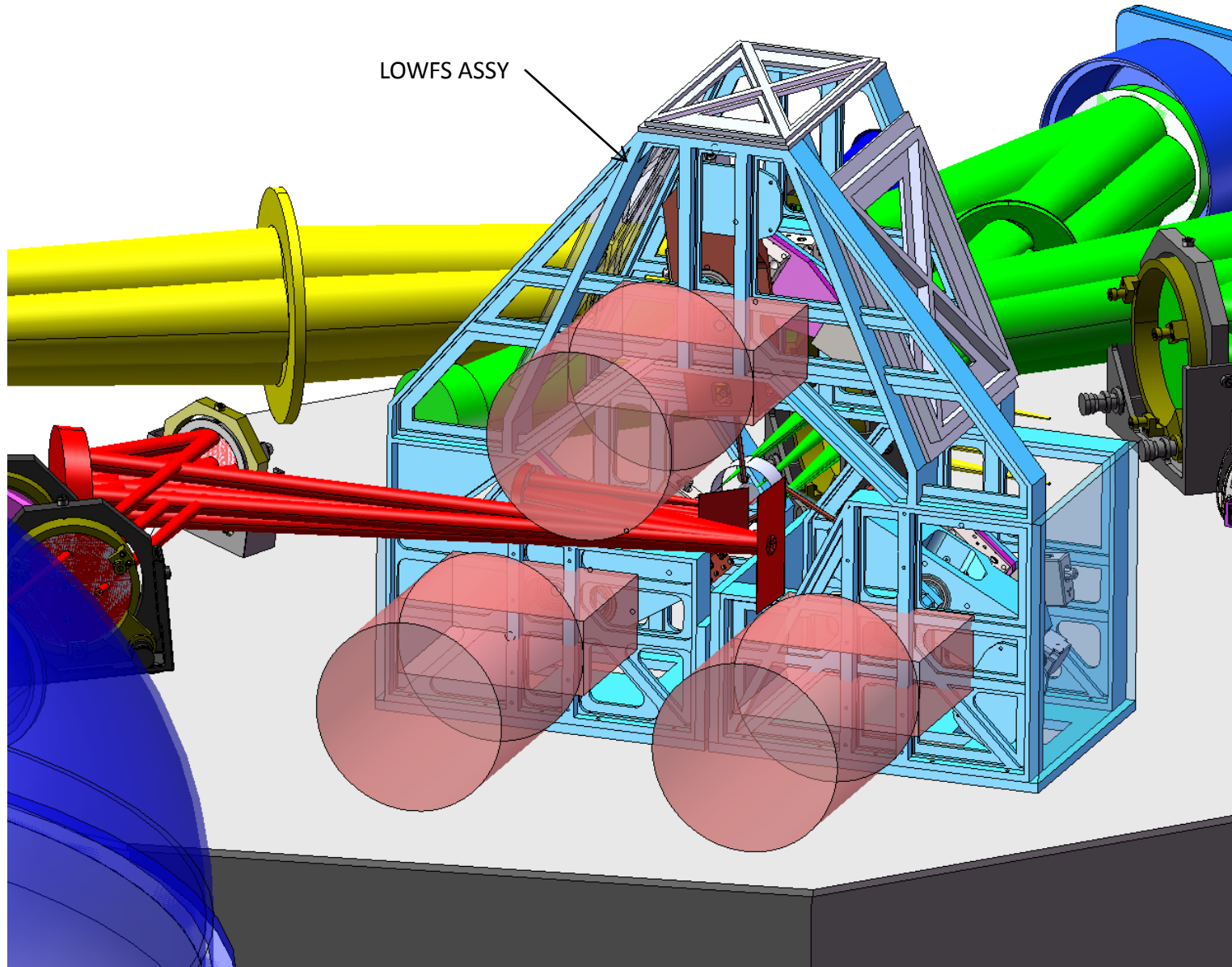
LOWFS ASSY



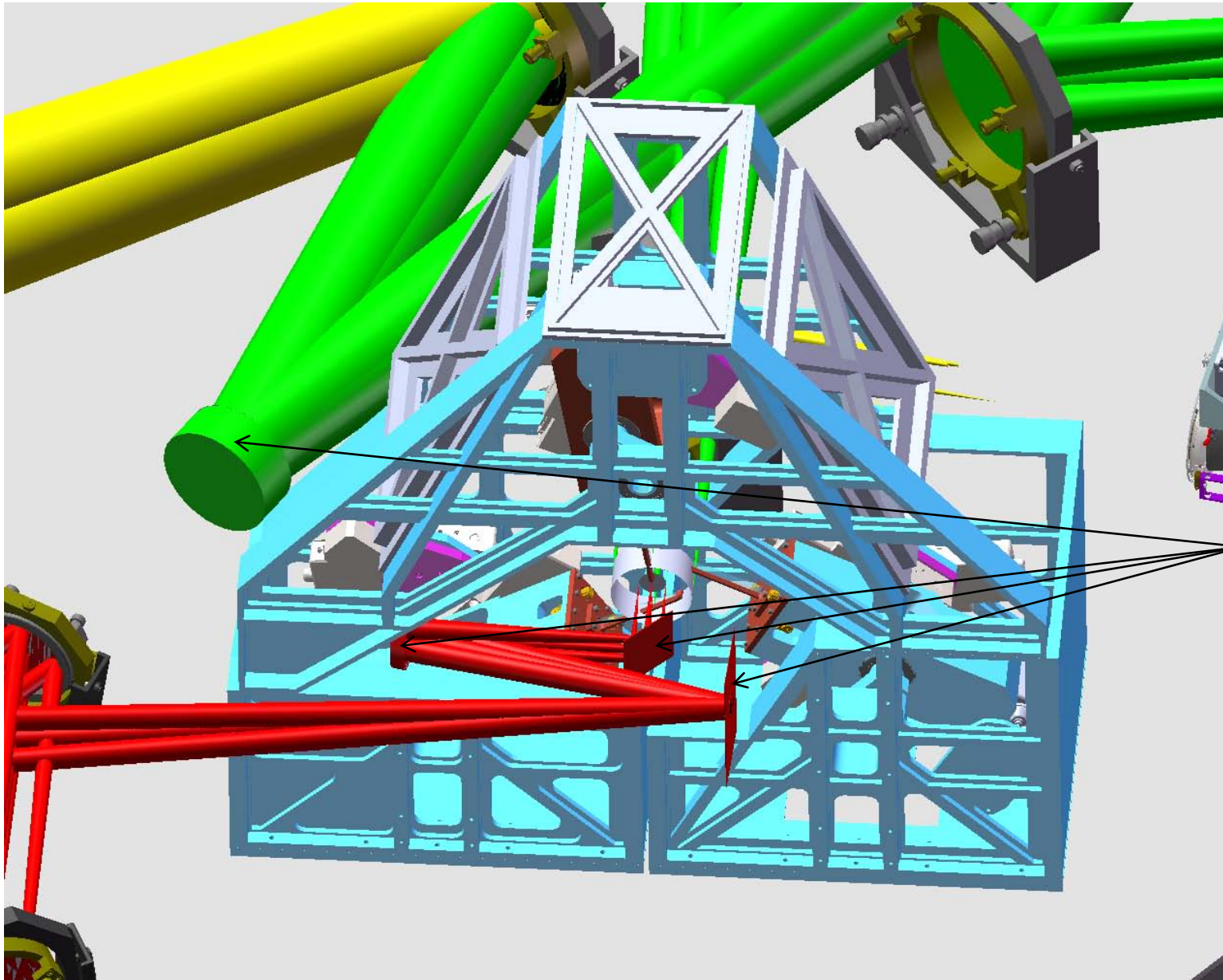
LOWFS ASSY



KNGAO ASSY, ISO VIEW

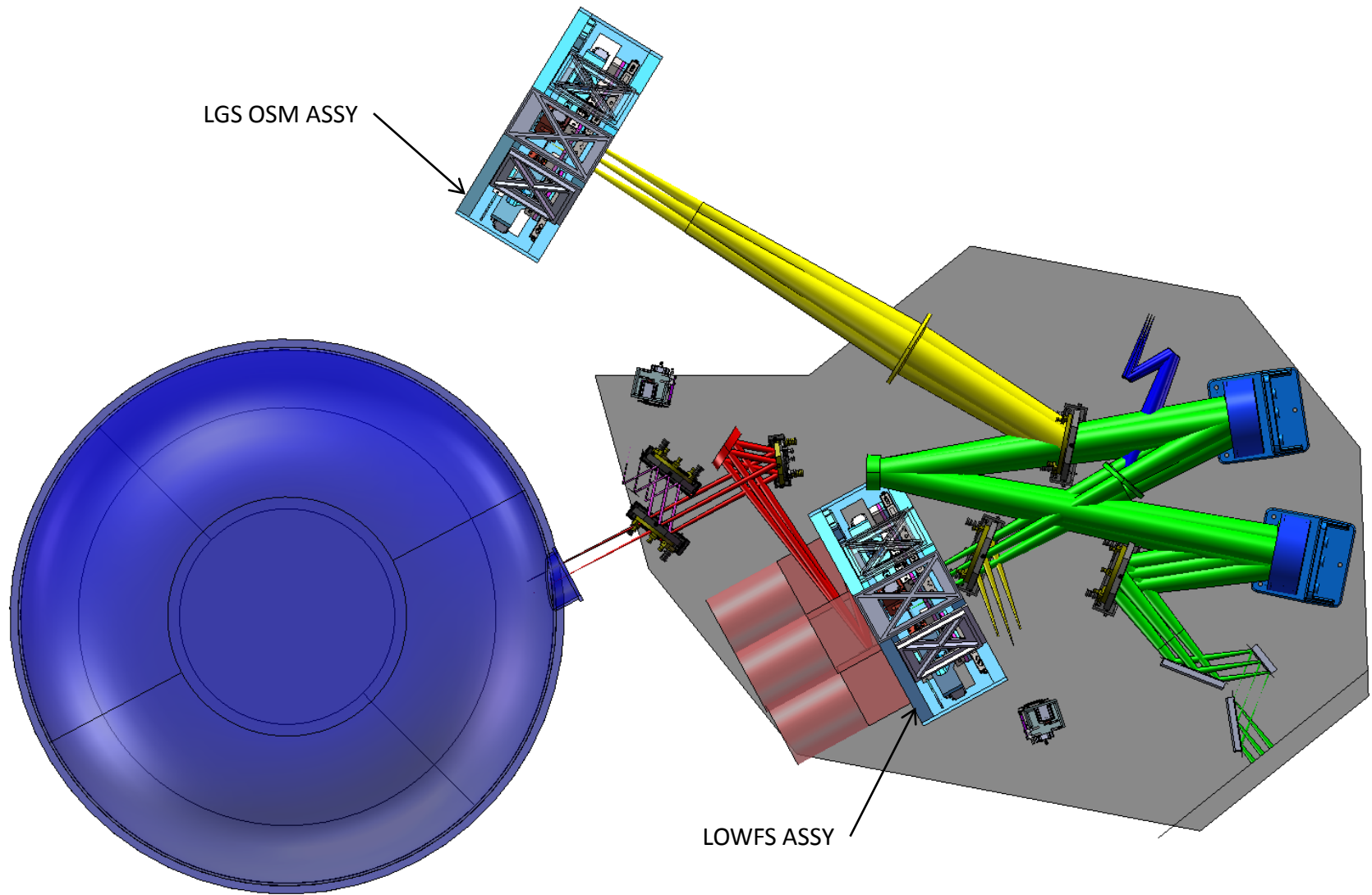


KNGAO VAULT MODEL NEEDS UPDATED INTERFACE PLACE HOLDERS

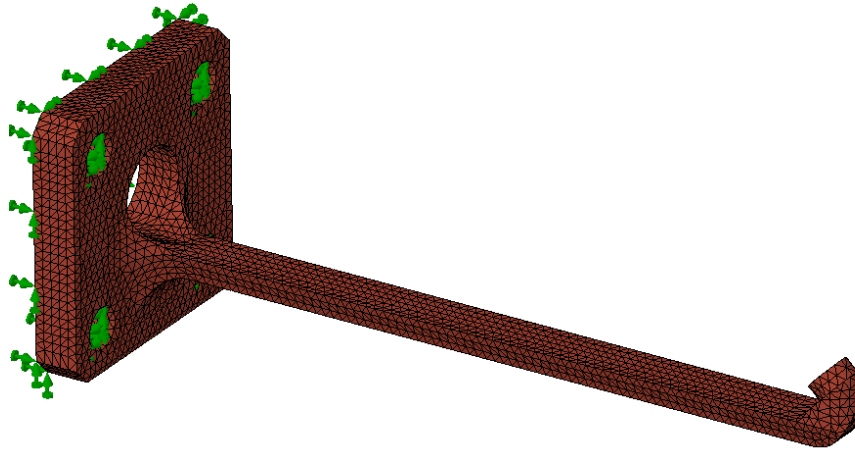


What is the
approximate
real size of this

KNGAO ASSY, TOP VIEW



FREQUENCY ANALYSIS



List Modes

Study name: Study 1

Mode No.	Frequency(Rad/sec)	Frequency(Hertz)	Period(Seconds)
1	1671.8	266.07	0.0037584
2	1939	308.6	0.0032404
3	10801	1719	0.00058174
4	12377	1969.9	0.00050764
5	24868	3957.9	0.00025266

< | >

Close Save Help

Remaining work to be done

- Analyze Tip/Tilt Mirror Vibrations and Impact on Probe stabilization.
- System rigidity Analysis

Questions:

- Probe position Accuracy: 40 (KAON 562) or 70 mas (Contour)
- Minimum Incremental motion ?
- Max Wobble?
- Position Stability (5 mas / 3600 s) TBC
- TT Requirements (Deflection, response, resolution,...)