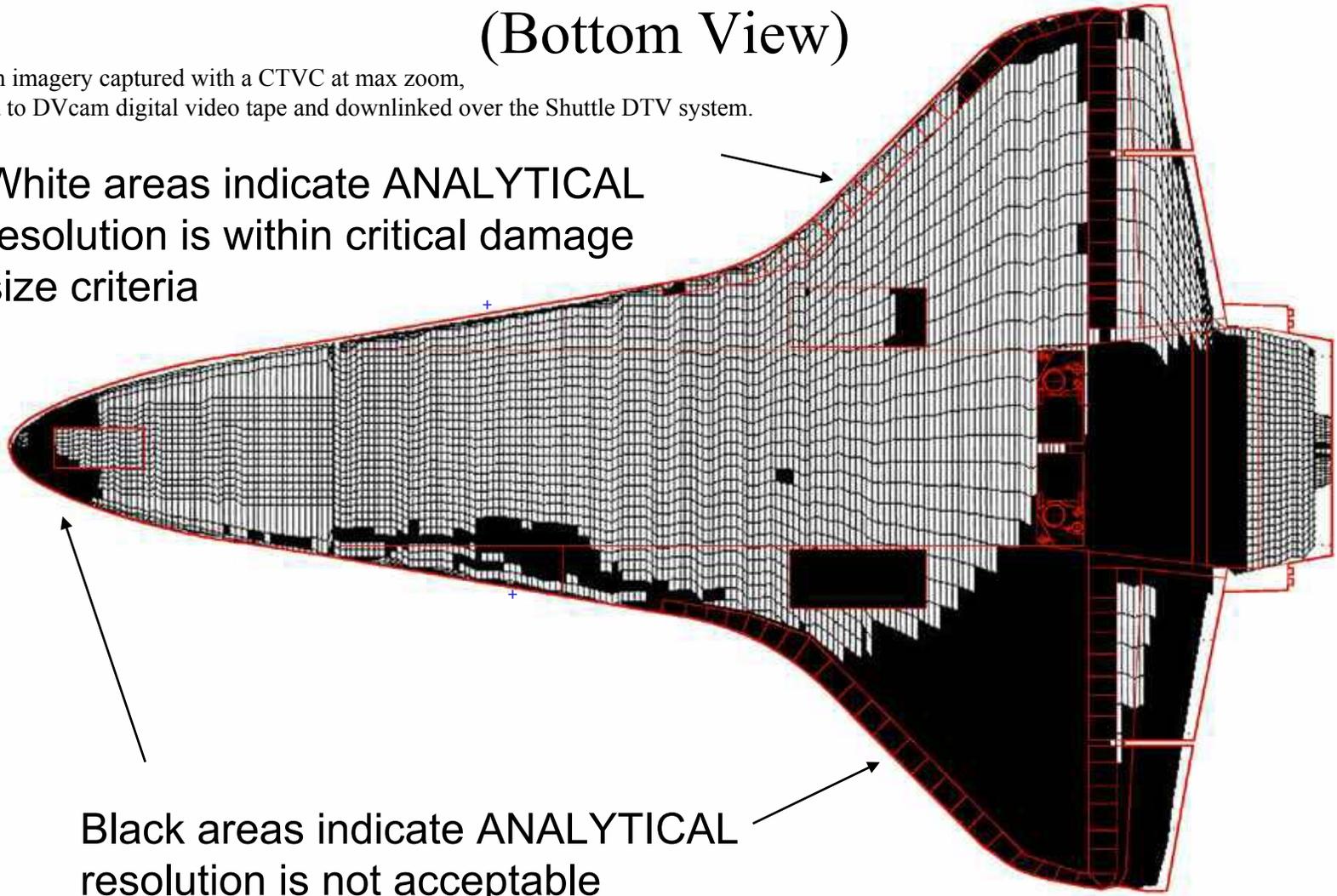


Shuttle RMS Inspection Capability (Bottom View)

Based on imagery captured with a CTVC at max zoom,
recorded to DVcam digital video tape and downlinked over the Shuttle DTV system.

White areas indicate ANALYTICAL
resolution is within critical damage
size criteria



Black areas indicate ANALYTICAL
resolution is not acceptable

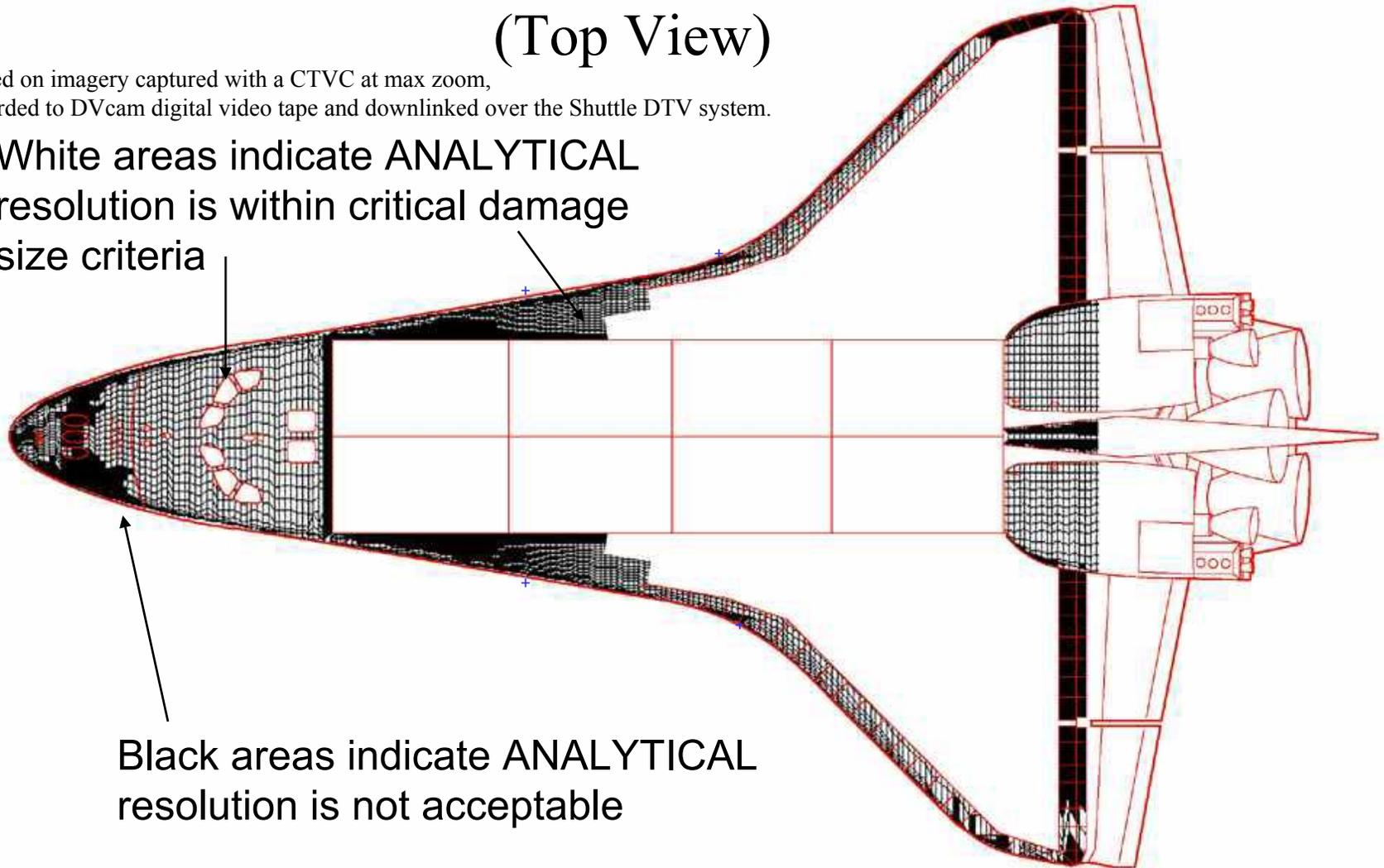
Note: Black mesh gridlines in white areas are artifacts of mapping program
and are within critical damage size criteria.

Area where black mesh gridlines merge on curved surface appear black. Area
resolvable within critical damage size criteria.

Shuttle RMS Inspection Capability (Top View)

Based on imagery captured with a CTVC at max zoom,
recorded to DVcam digital video tape and downlinked over the Shuttle DTV system.

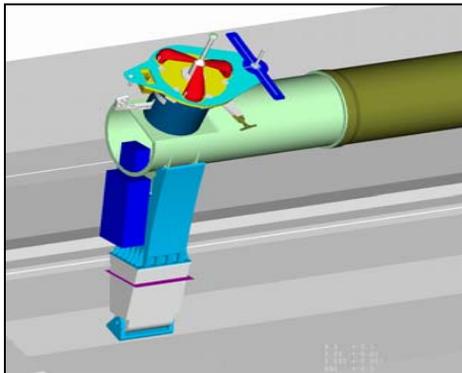
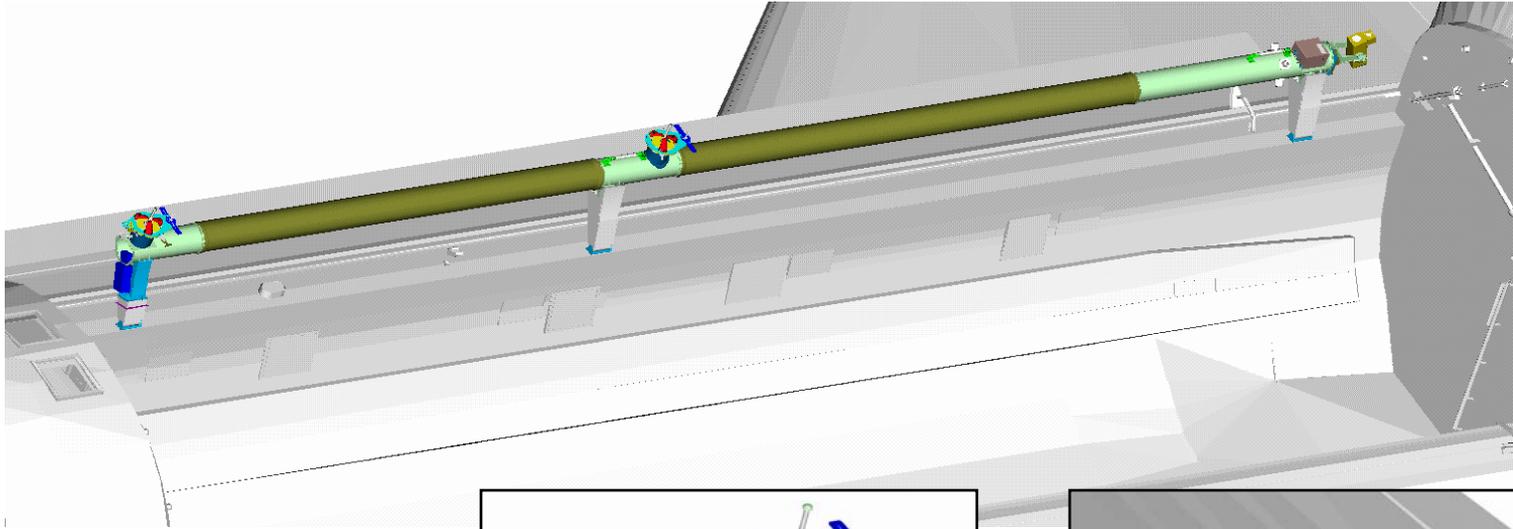
White areas indicate ANALYTICAL
resolution is within critical damage
size criteria



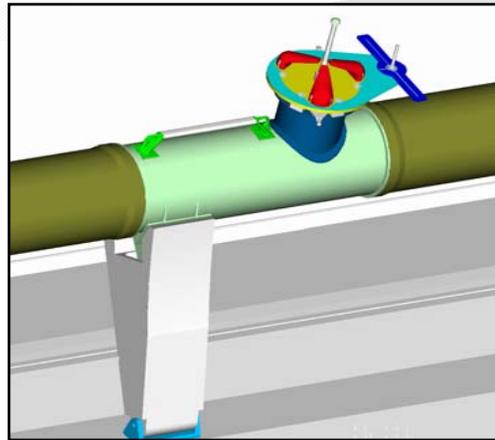
Black areas indicate ANALYTICAL
resolution is not acceptable

Note: Black mesh gridlines in white areas are artifacts of mapping program and are within critical damage size criteria. Area where black mesh gridlines merge on curved surface appear black. Area resolvable within critical damage size criteria.

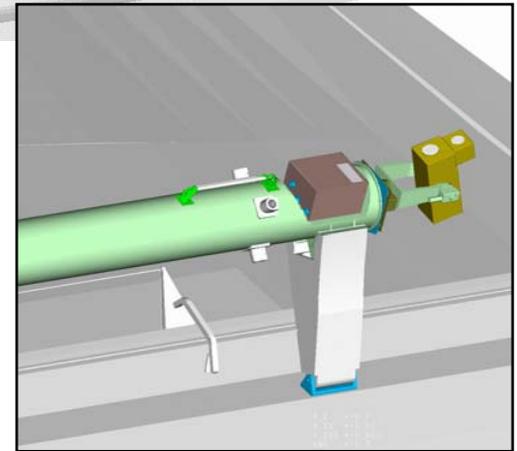
Simple Fixed Boom Installed on Starboard Sill



**Transition
(EFGF)**

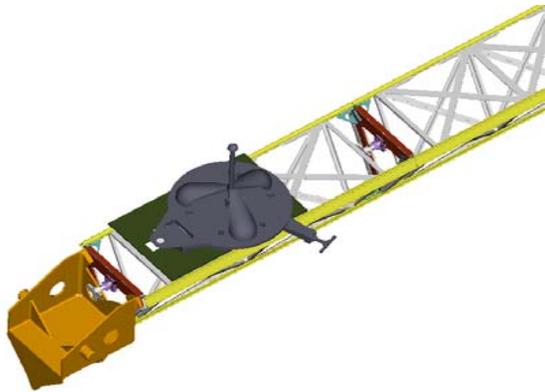
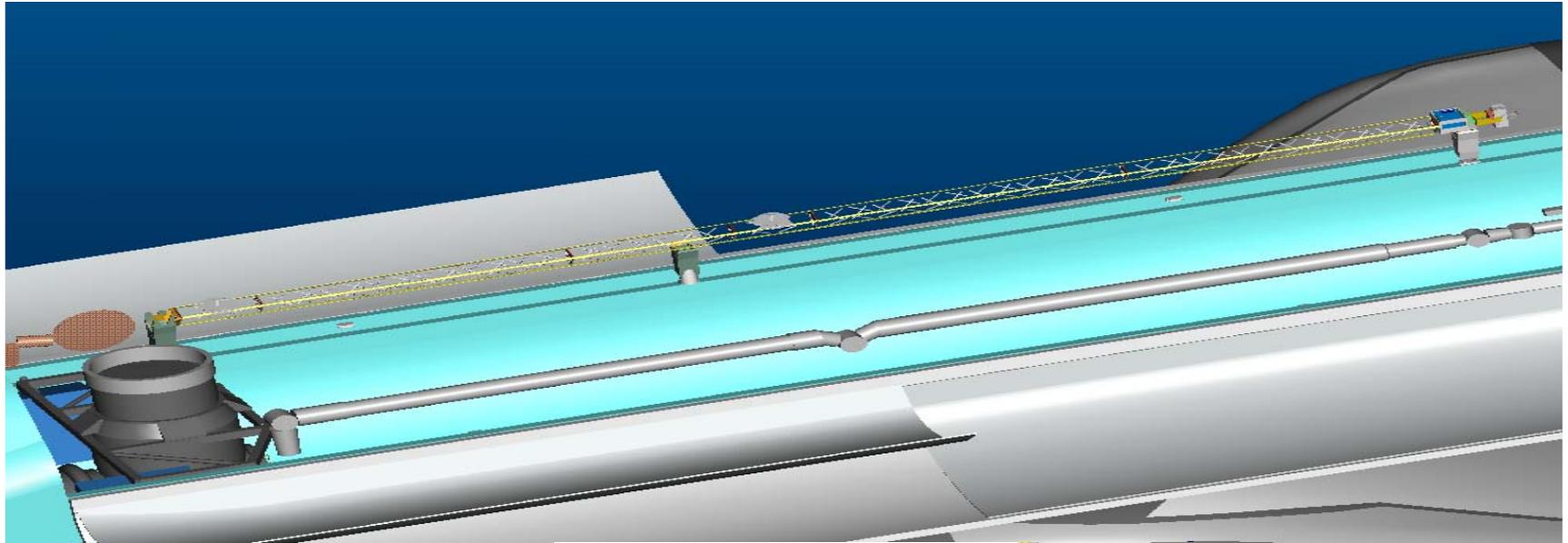


**Elbow
Transition
(FRGF)**

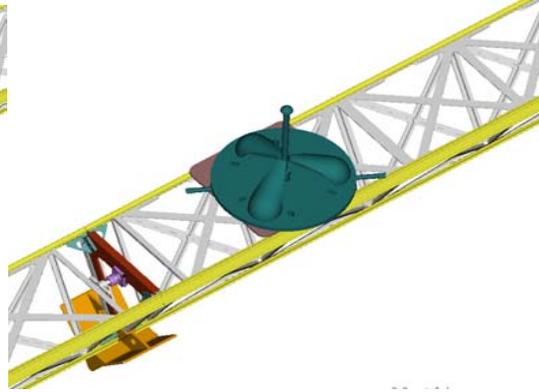


**Wrist
Transition + Sensor(s)**

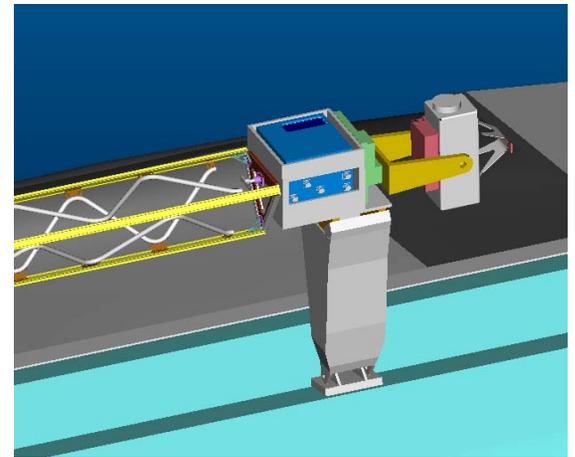
Triangular Boom on Starboard Sill



Shoulder EFGF

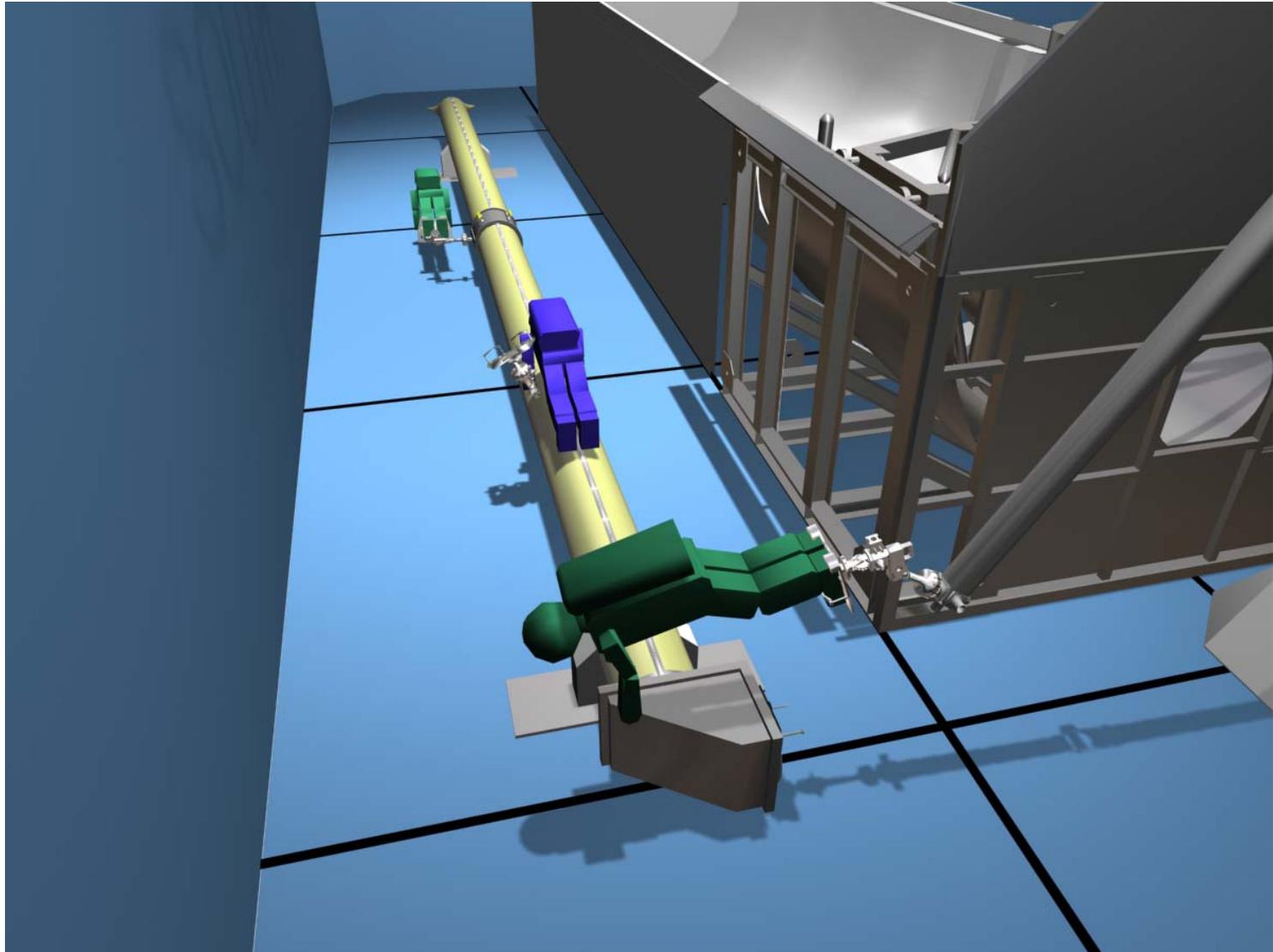


Elbow FRGF



Wrist & Sensors

Airbeam Inflatable Boom Concept



Airbeam Inflatable Boom Concept

