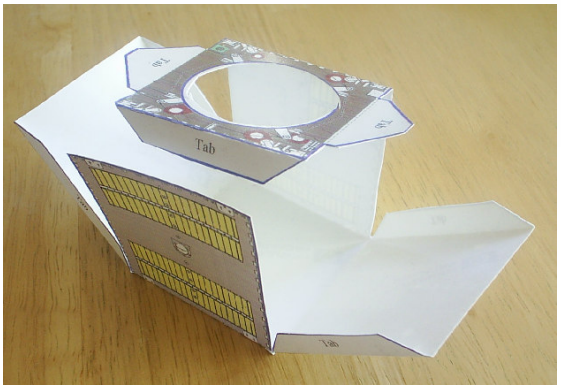
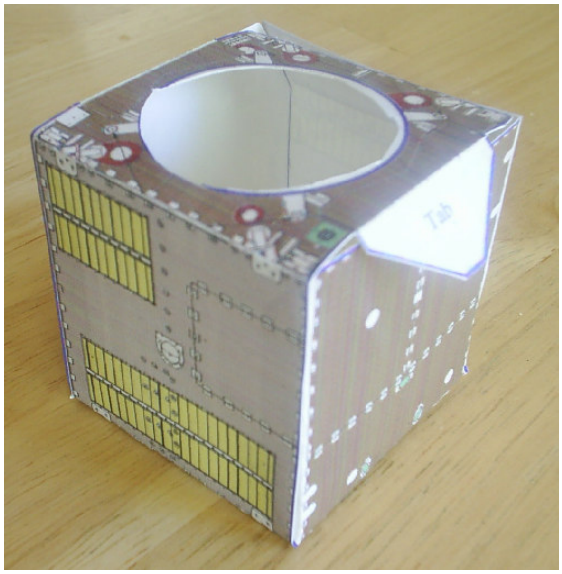


Cut out Bus Structure and fold as shown.

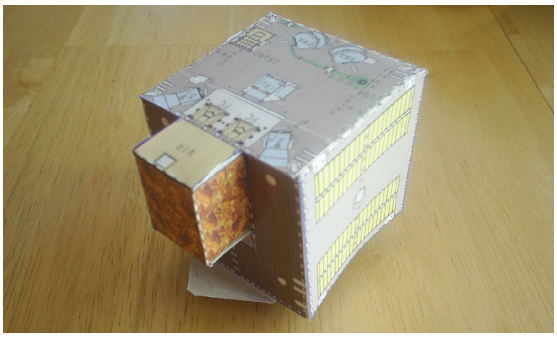


Glue edges labeled “Tab” as shown. Leave the Side Engine tabs un-glued.

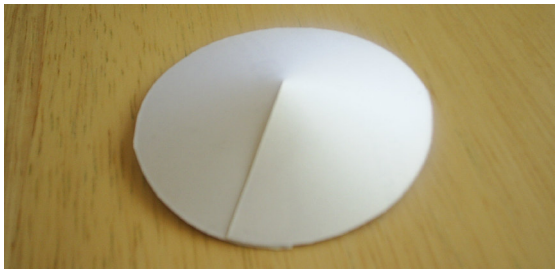
Cut out side engines as shown.

Glue side engines to bus structure tabs as shown.

Glue edges labeled “Tab” as shown.



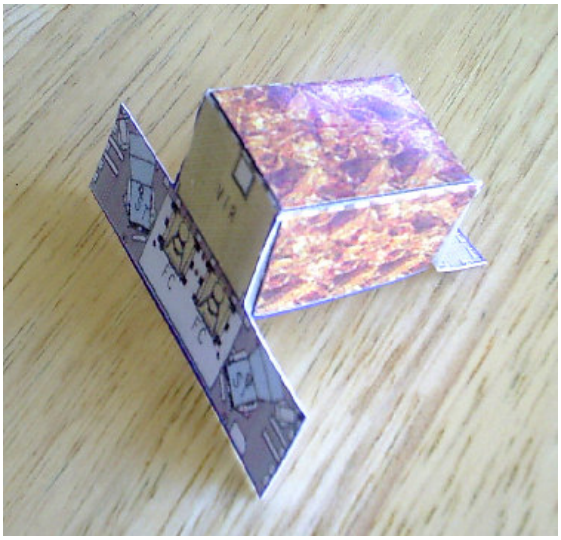
Cut out the High Gain Antenna and glue as shown.



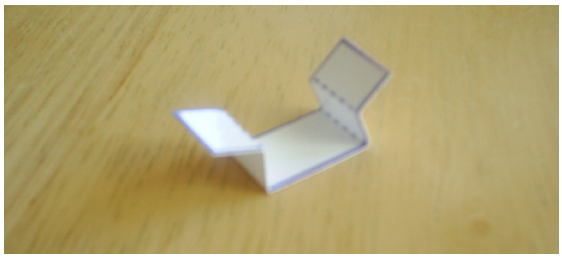
Cut out the High Gain Antenna Mount and fold as shown.

Glue the High Gain Antenna to the High Gain Antenna Mount as shown.

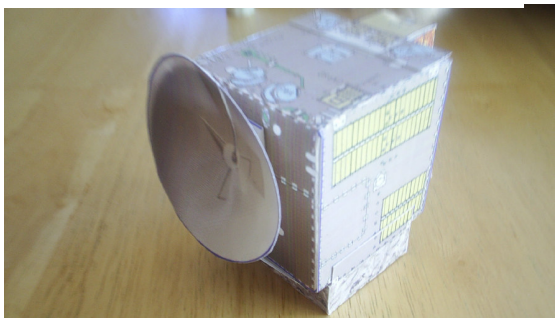
Cut out Instrument Assembly and fold as shown.



Glue Instrument Assembly to Bus Structure as shown. Glue the gray, unlabeled tab to the back of the Bus Structure as shown.

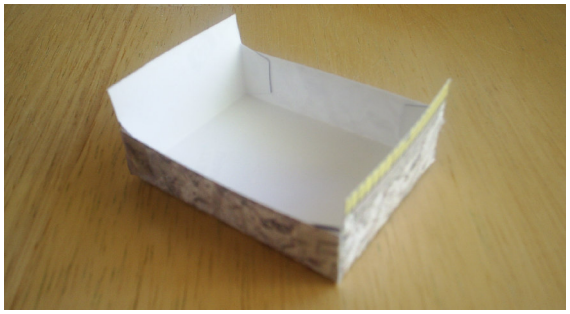


Glue the High Gain Antenna Mount to the opposite side of the Bus Structure from the Instrument Assembly.

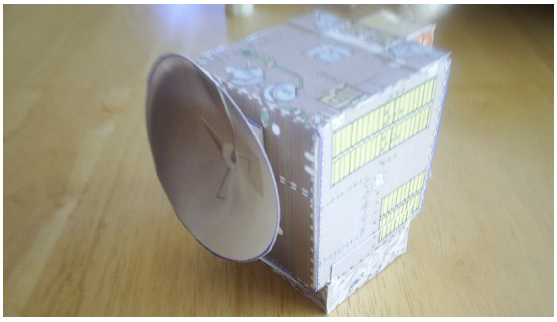


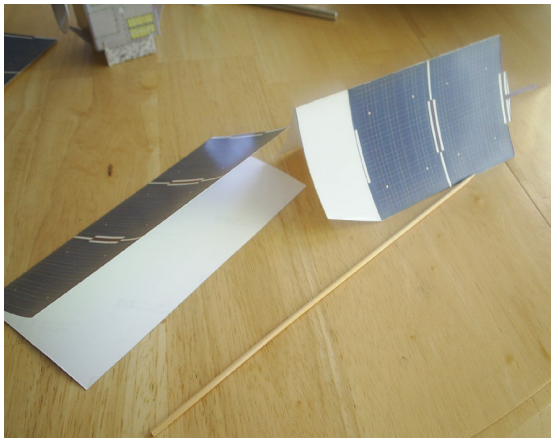
Glue the Aft Structure Assembly to the bottom of the Bus Structure, lining up the yellow Louvers on each side of the assembly.

Cut out and fold the Aft Structure Assembly as shown.



Glue the edges labeled “Tab” as shown. The upper portions of the ‘sides should not be folded.

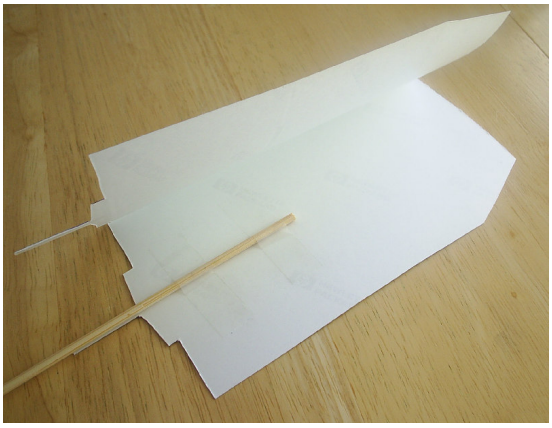


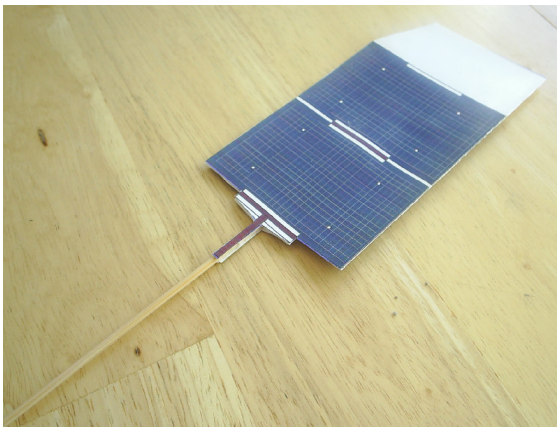


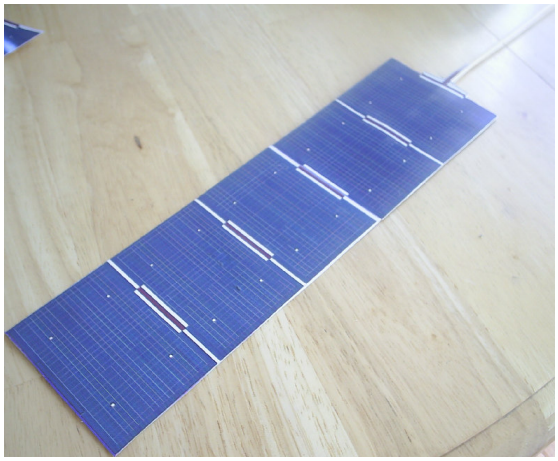
Tape the skewer to one face of the inside of the array cutout with the deployment arm.

Cut out and fold the Solar Arrays as shown.

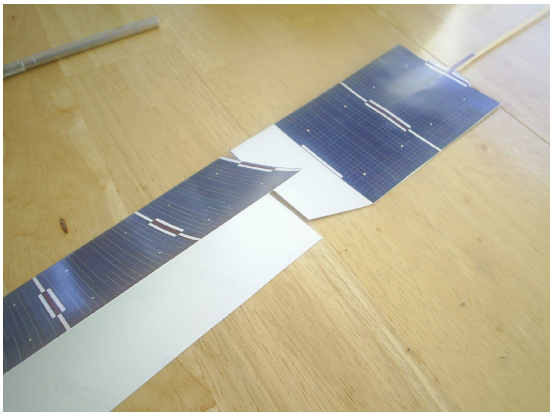
A Barbecue Skewer can be used to assemble the arrays.





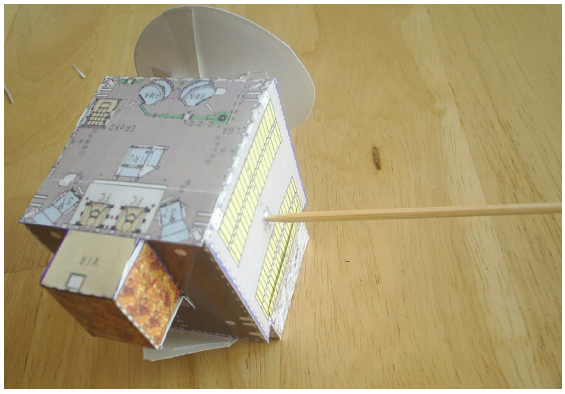


Glue the Array together, as shown.

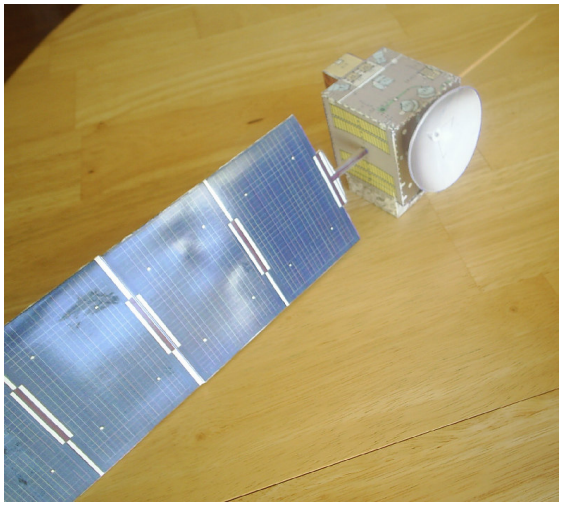


Glue the outer 3 panels of the 5 panel solar array to the tab on the 2 inner panel assembly.

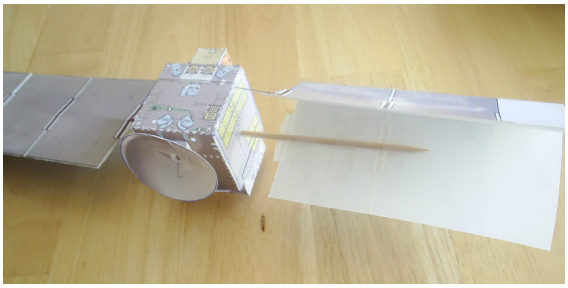
Cut a small slit into each side of the Bus Structure in the white circle where the solar array mounts.



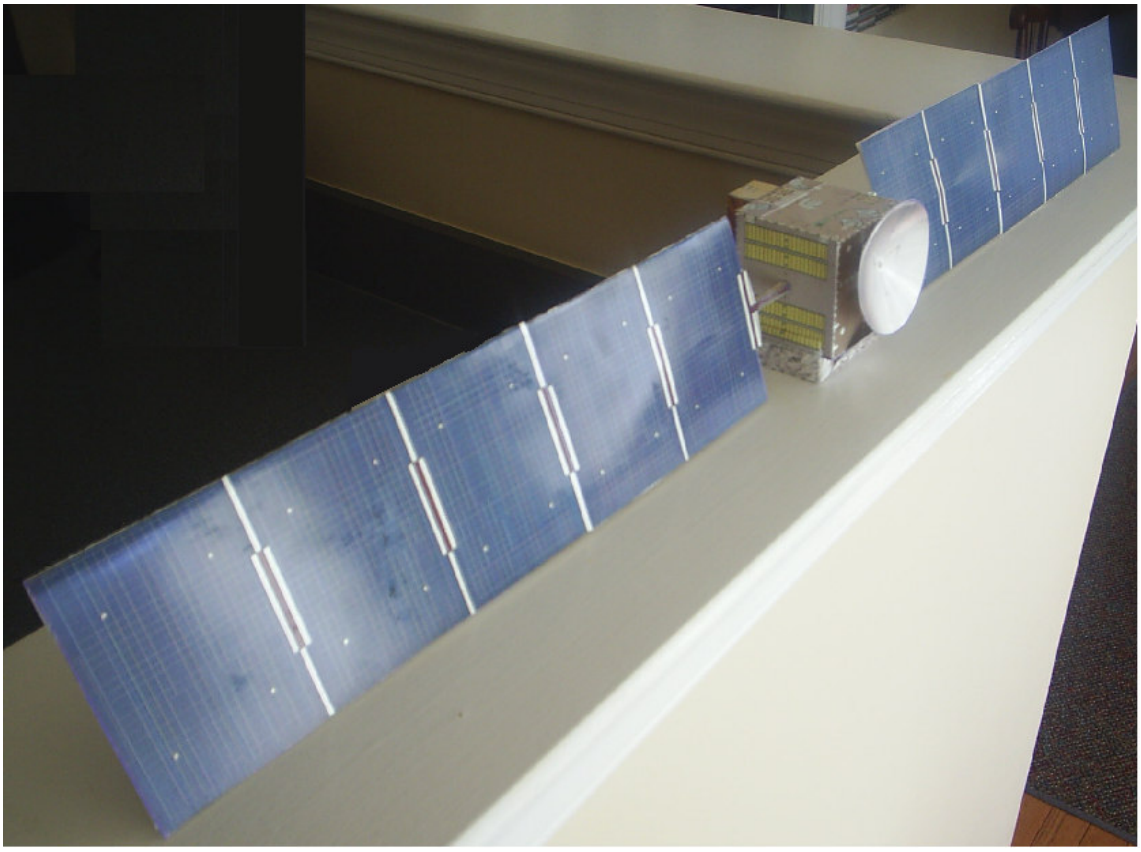
Insert the skewer into this slot, and out the slot on the other side of the Bus Structure.

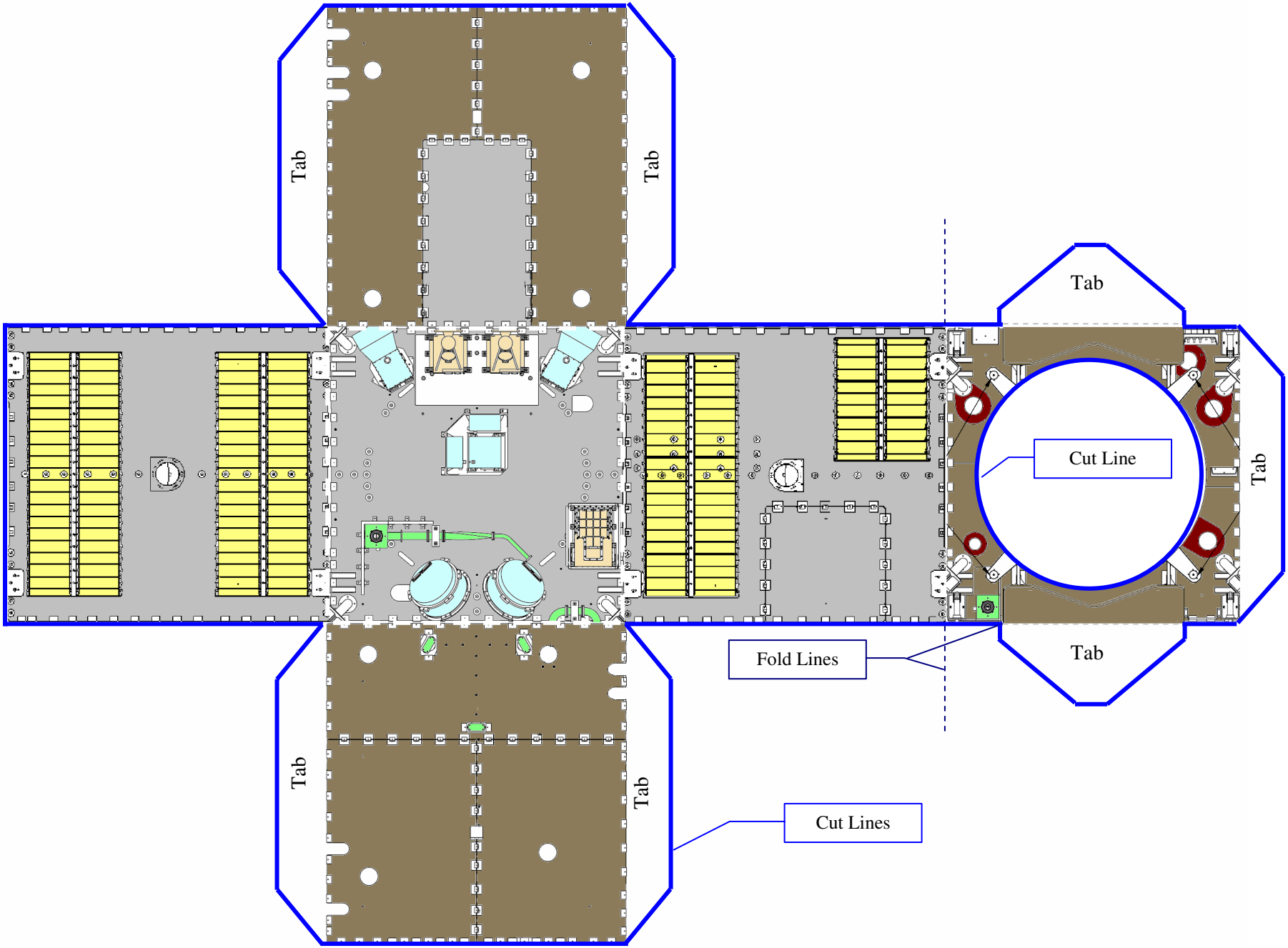


Assemble the Solar Array on the other side of the spacecraft as before.



Picture of the completed Dawn model




Tab
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Cut Line
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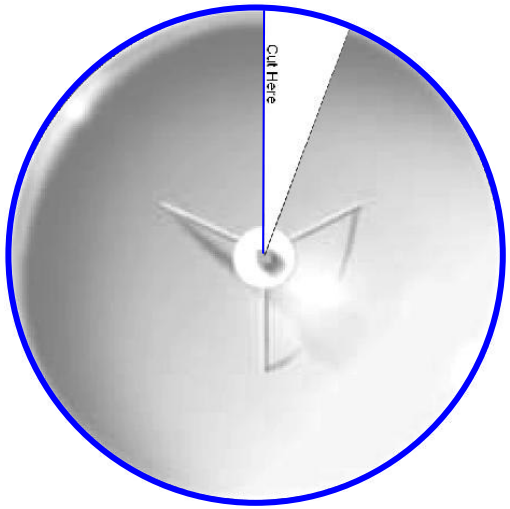
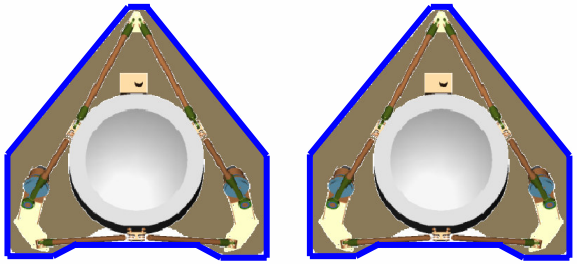
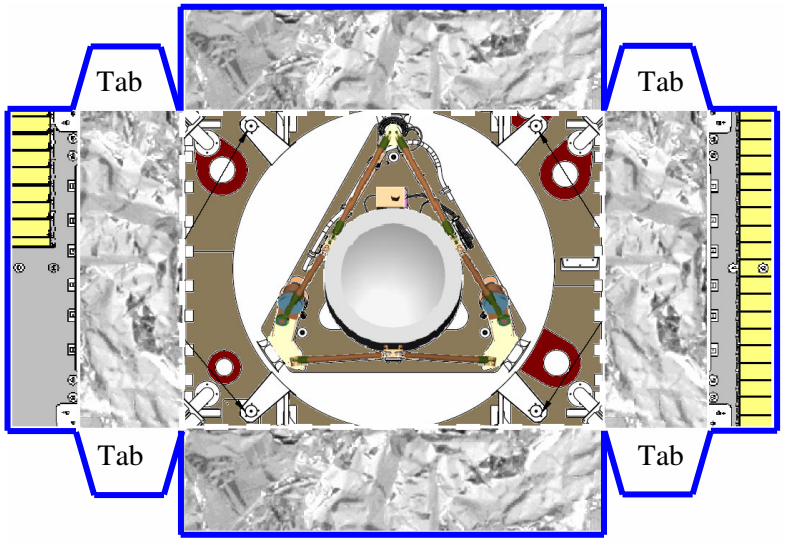


High Gain Antenna

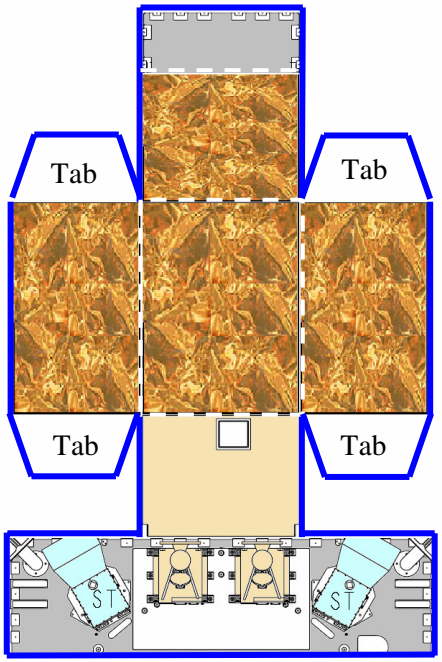
High Gain Antenna Mount



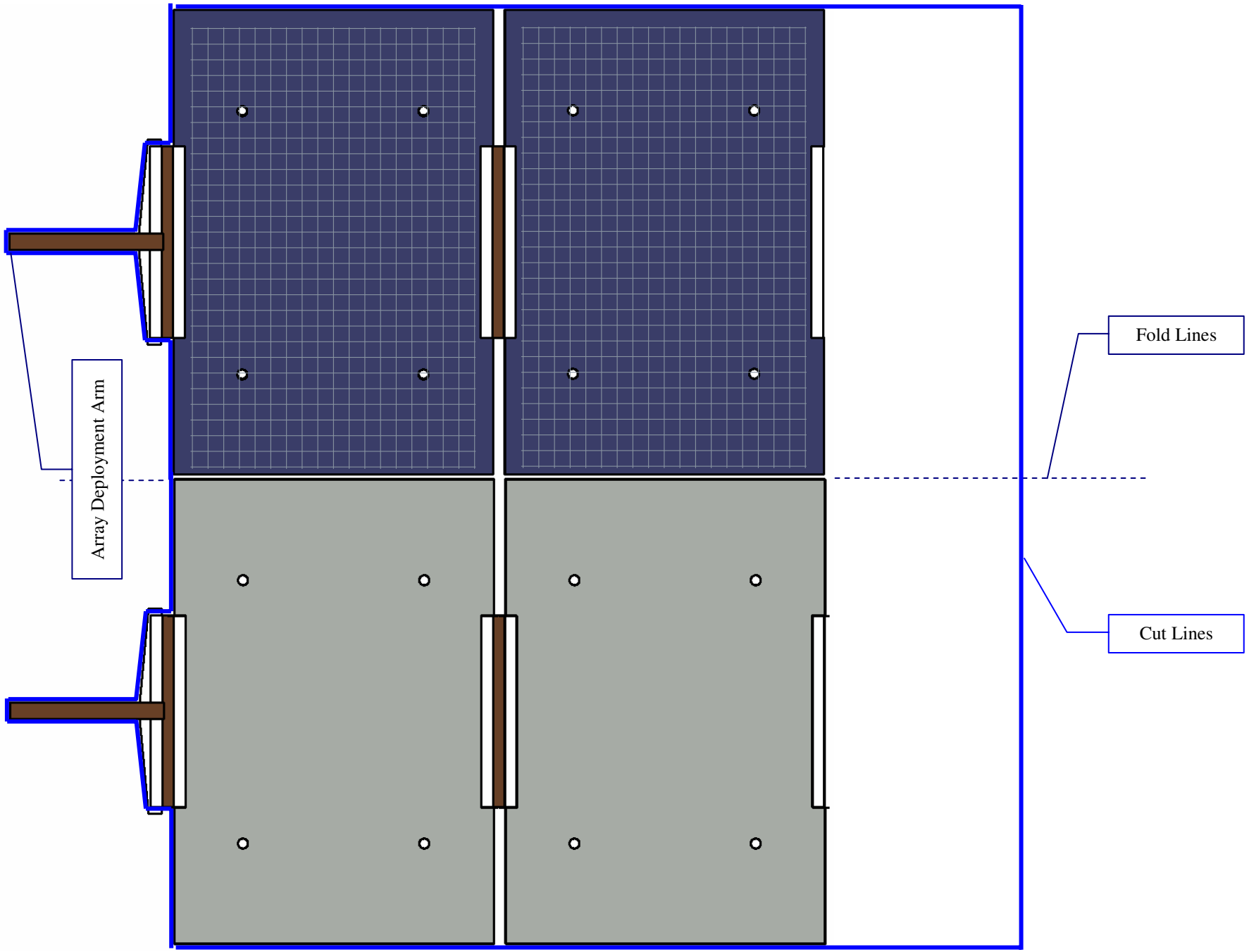
IPS Side Thrusters

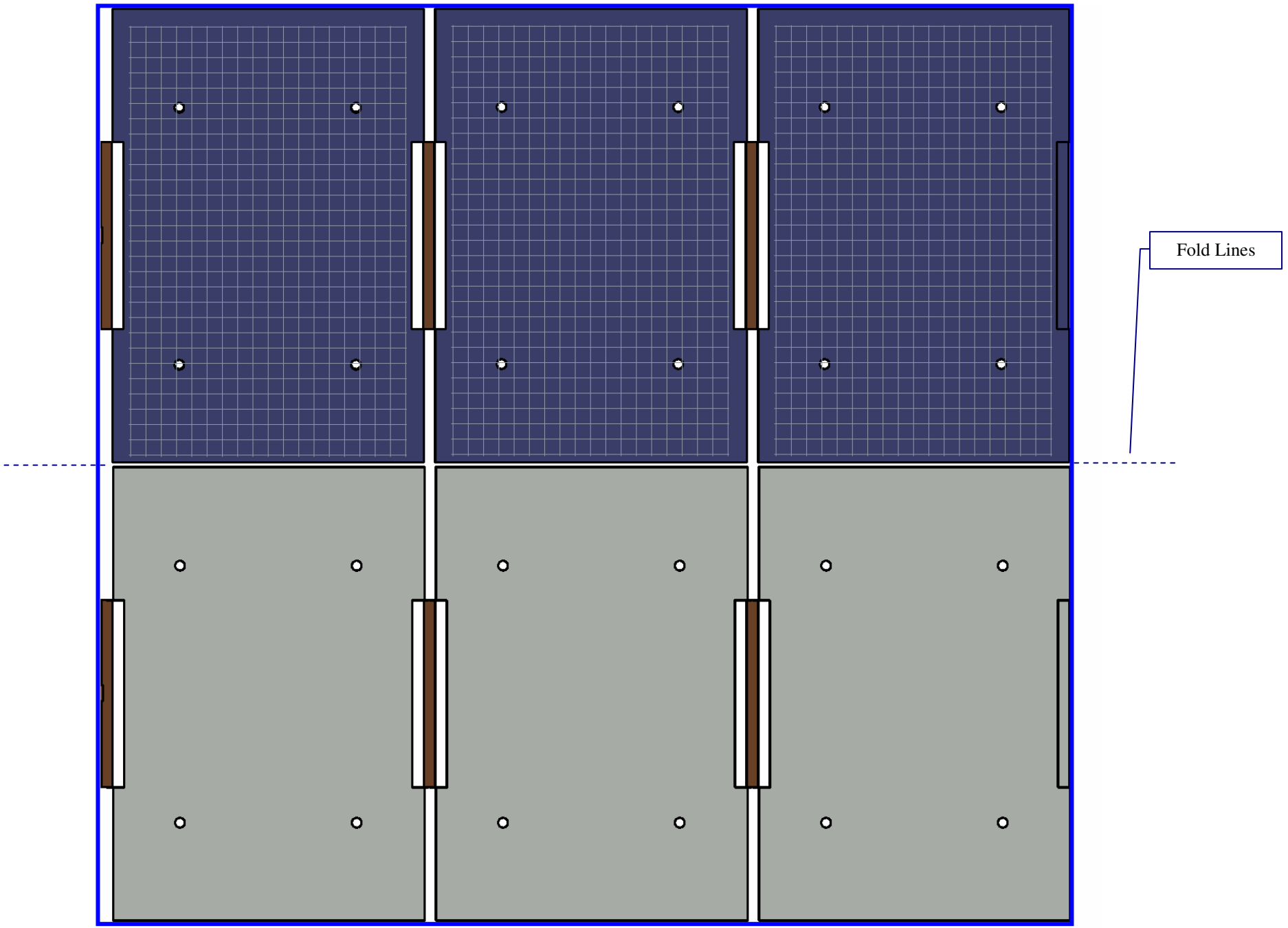


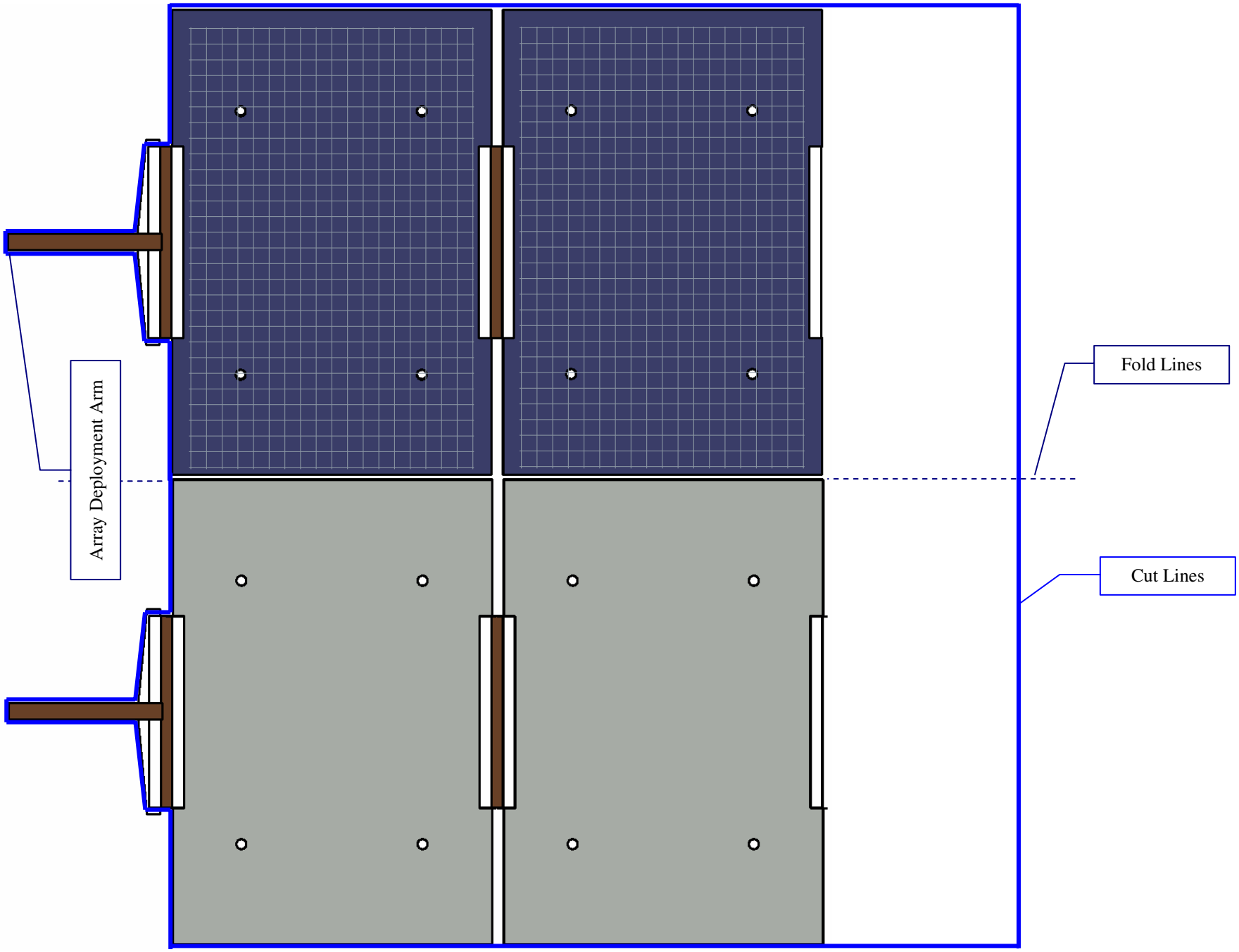
Aft Structure Assembly

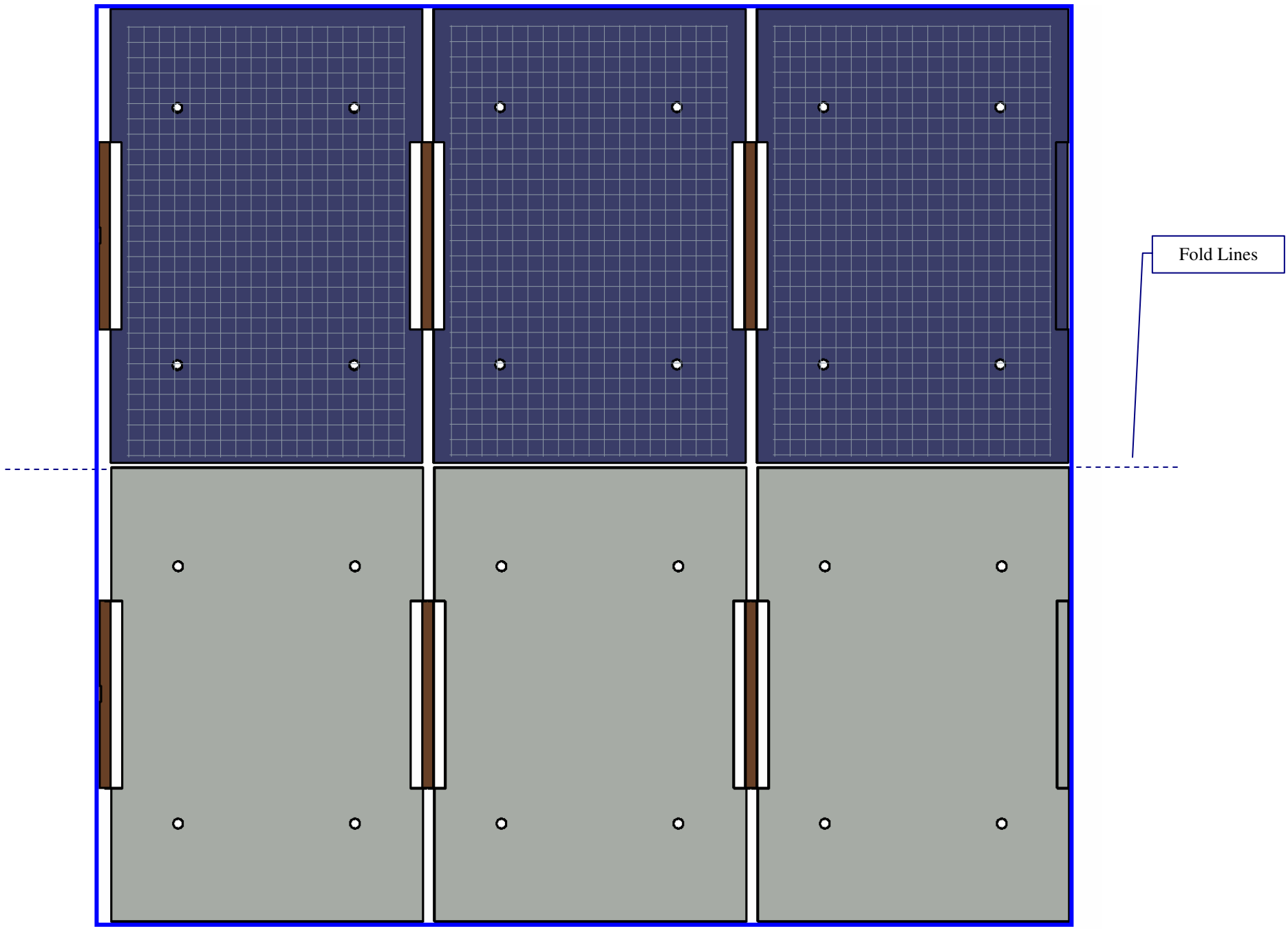


Instrument Assembly


Array Deployment Arm
Fold Lines
Cut Lines


Fold Lines


Array Deployment Arm
Fold Lines
Cut Lines


Fold Lines