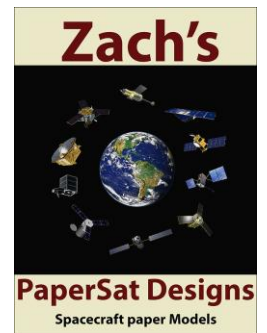
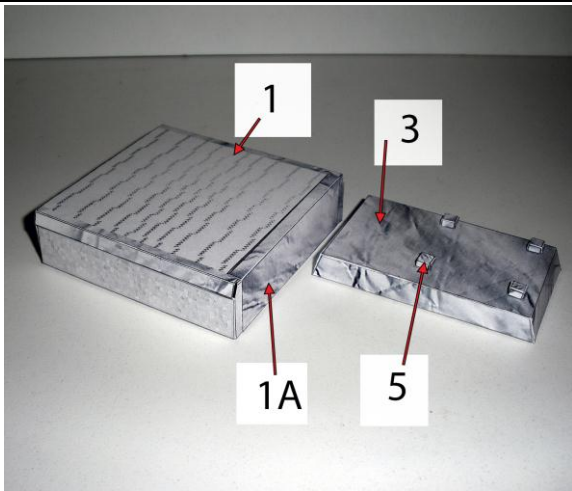
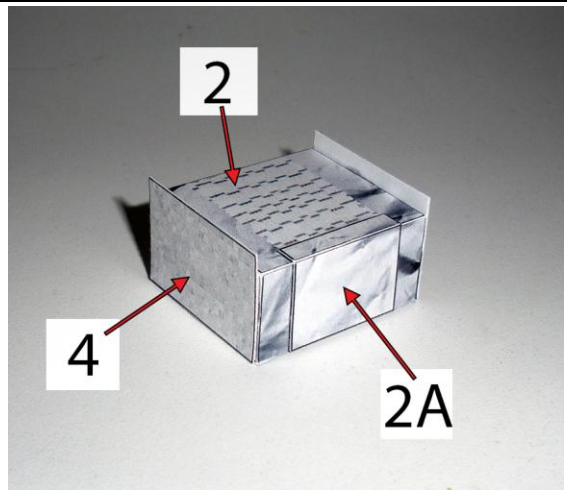


GPM (Global Precipitation Measurement) Core Satellite 1/55 Scale Paper Model Instructions

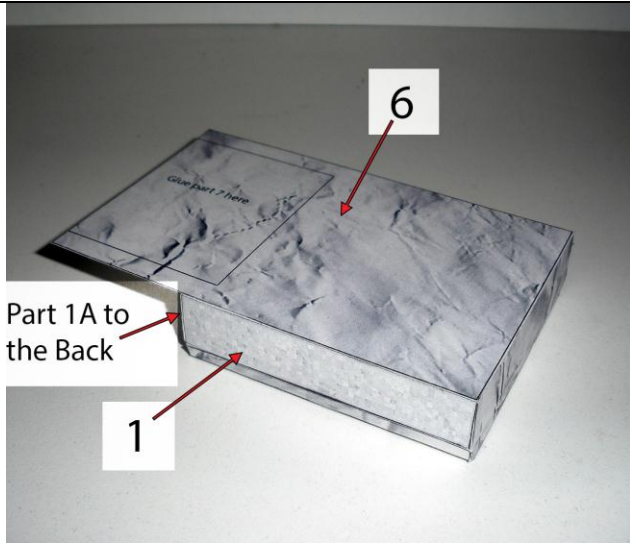




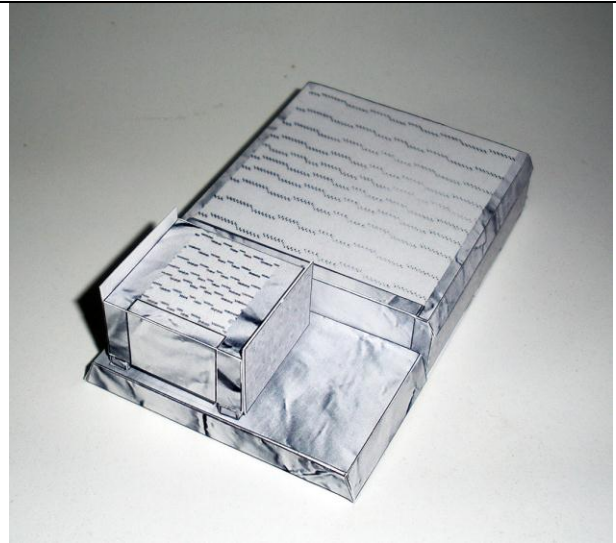
5 is glued on the squares on 3.



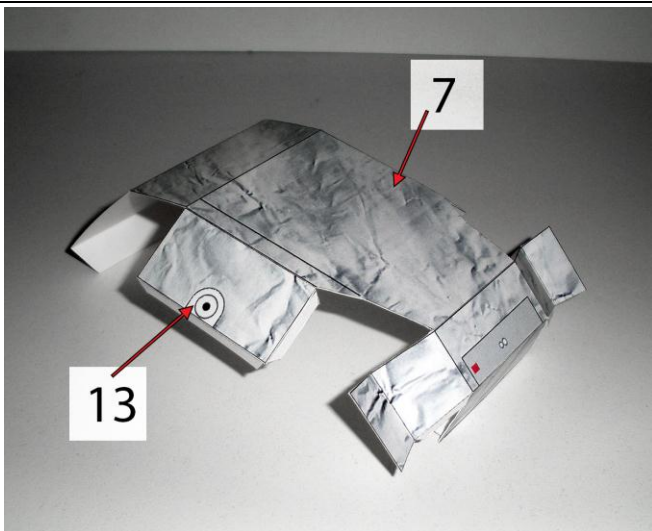
Glue 4 on cardstock. Glue on 2 where labeled.



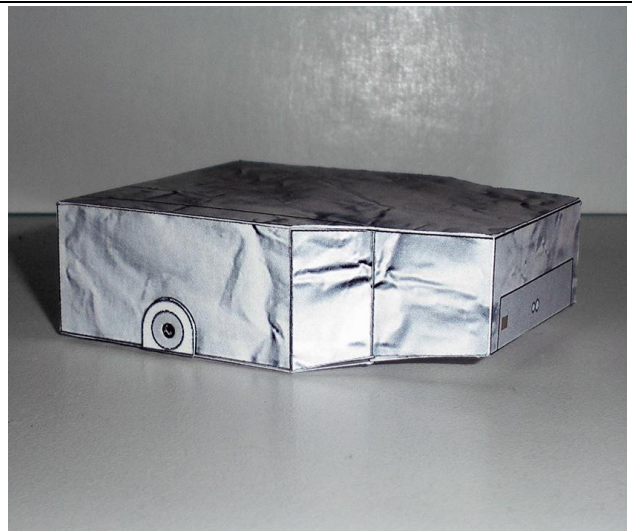
1 is glued to backside of 6 as shown with Part 1a to the back. End with "Glue Part 7 here" is as the opposite end.



Glue 2 and 3 as shown behind part 1.



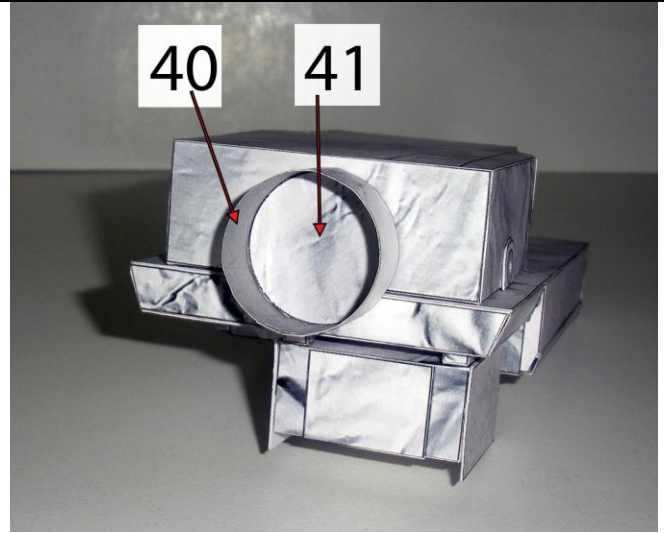
Drill holes into parts 7 and 13 before gluing together for the solar array rod.



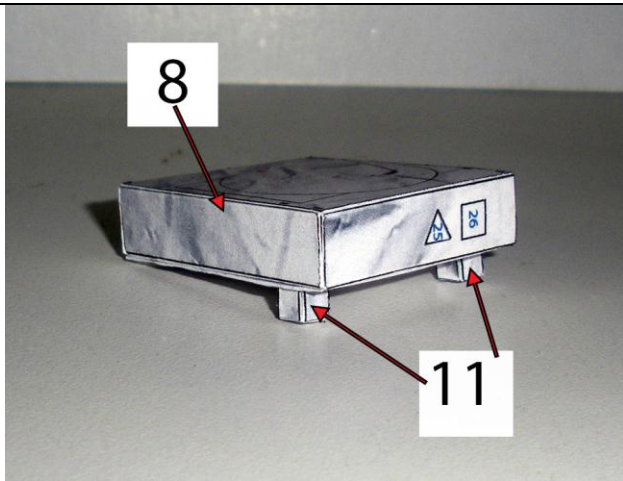
Part 7 folded and glued together.



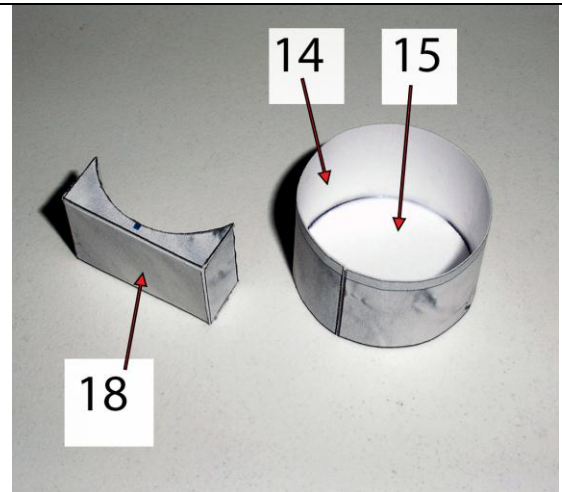
Glue Part 7 as labeled on 6.



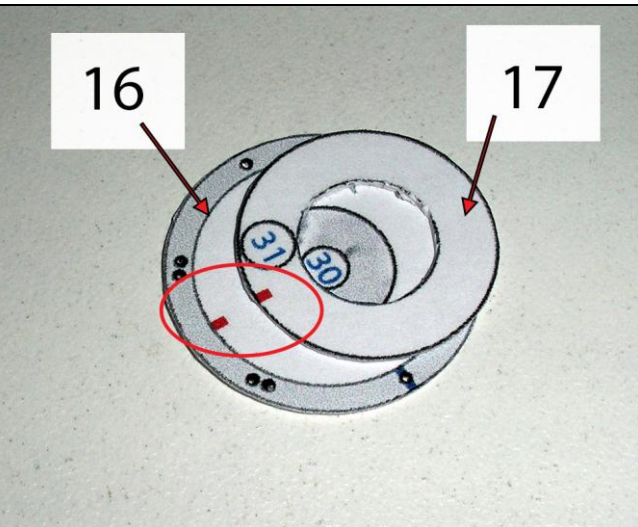
Part 41 should fit inside of 40 to keep the round shape.



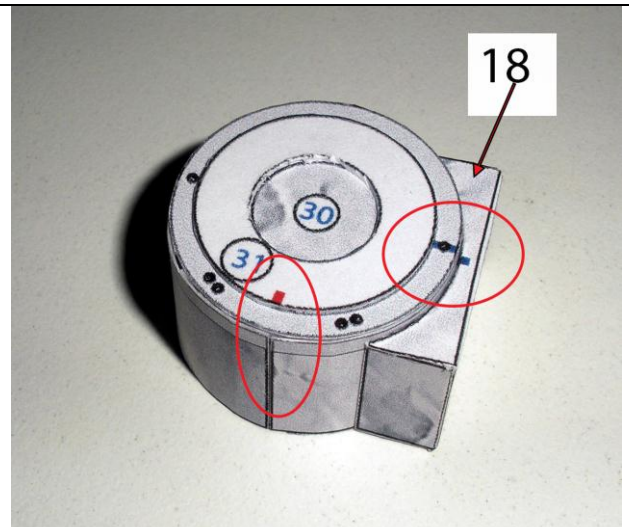
11 is glued to the two squares on the bottom of 8. May want to reinforce top by glueing cardstock inside before folding and glueing.



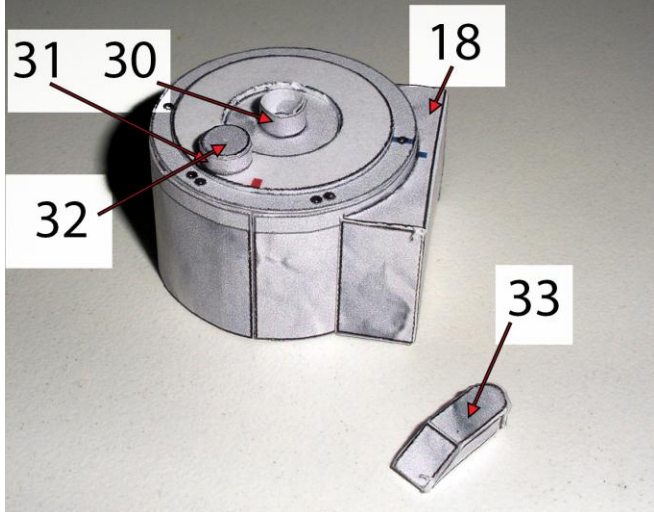
Glue 15 to cardstock, fits inside of 14 to keep the round shape. May want to reinforce 14-15 by glueing extra cardstock around the inside.



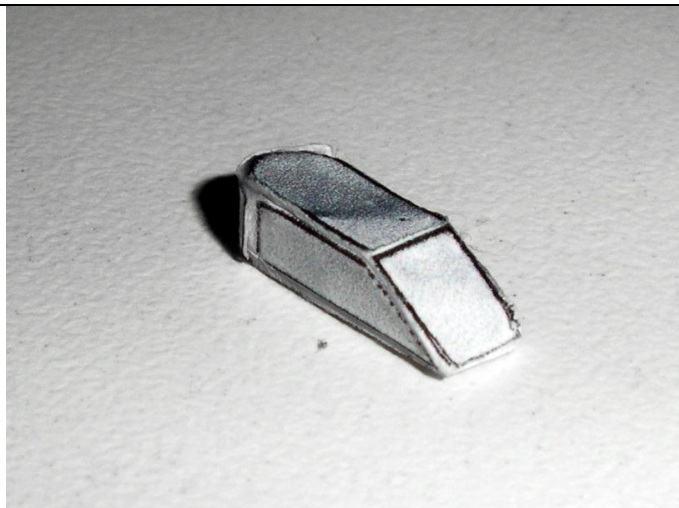
Glue 17 to cardstock, remove the blue circle glue on 16 matching the two red markers.



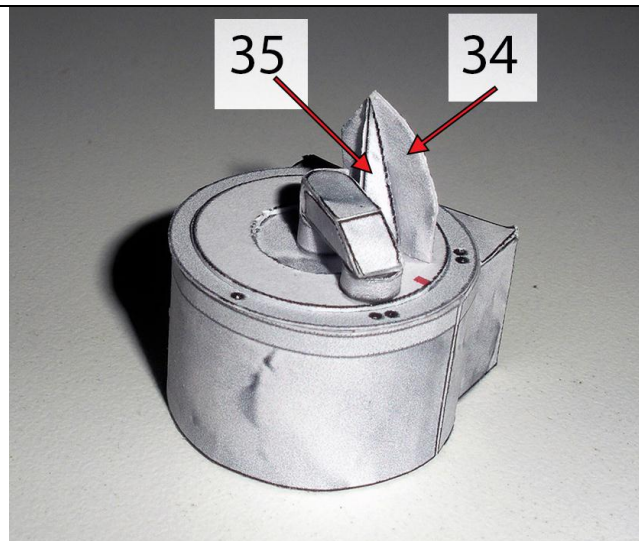
Glue on top matching the red marker to the seam on 14. Glue 18 to the side matching the two blue markers. Bottom of 18 is even with the bottom of 14-15 assembly.



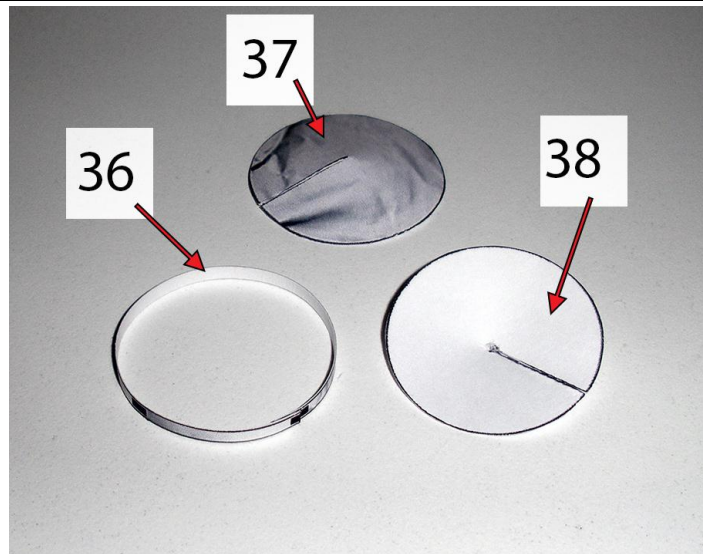
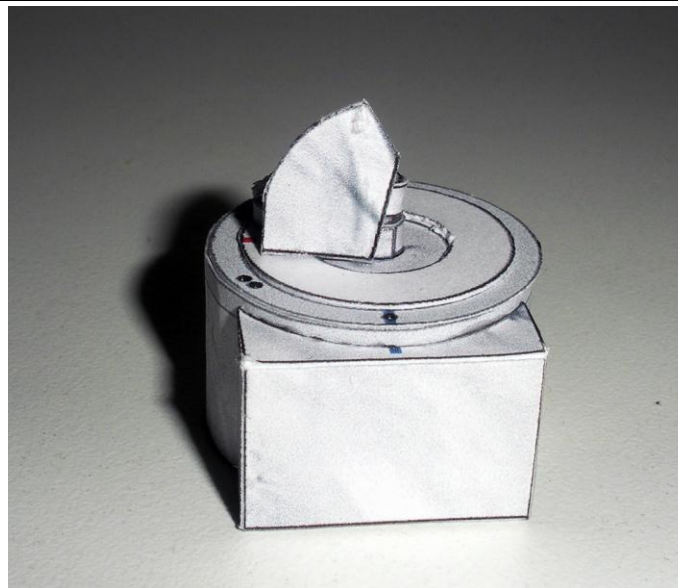
Glue 30-31 and 32 to the labeled areas on top. Score-fold 33 to the shape shown.



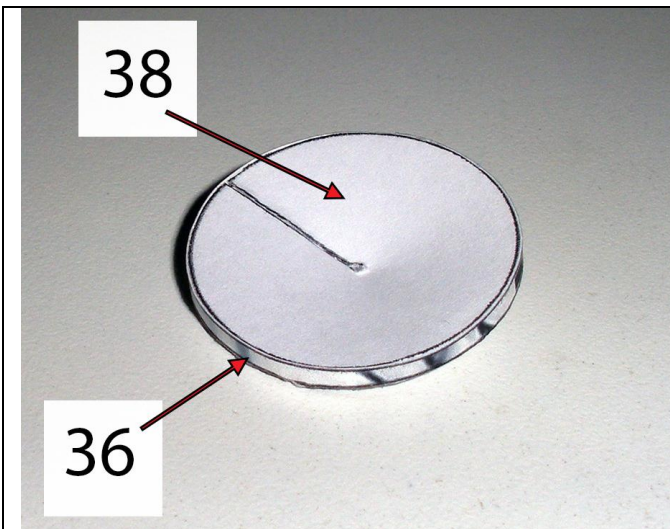
Glue 33 on top as shown



35 is glued to the side of 34, glue on top as shown.



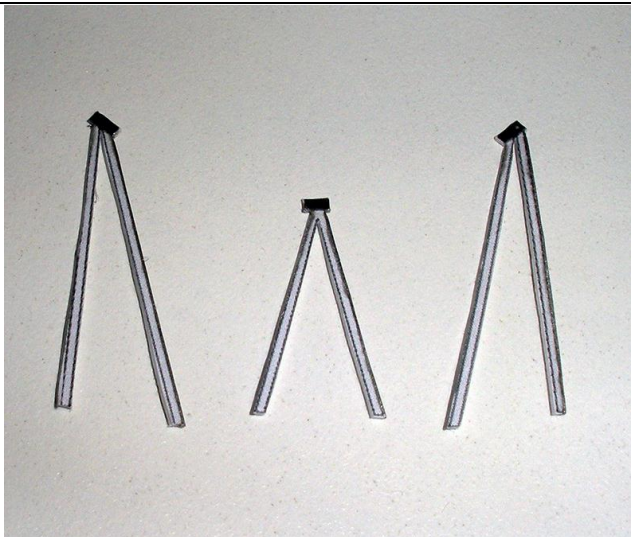
37 is formed with graphics OUTSIDE.



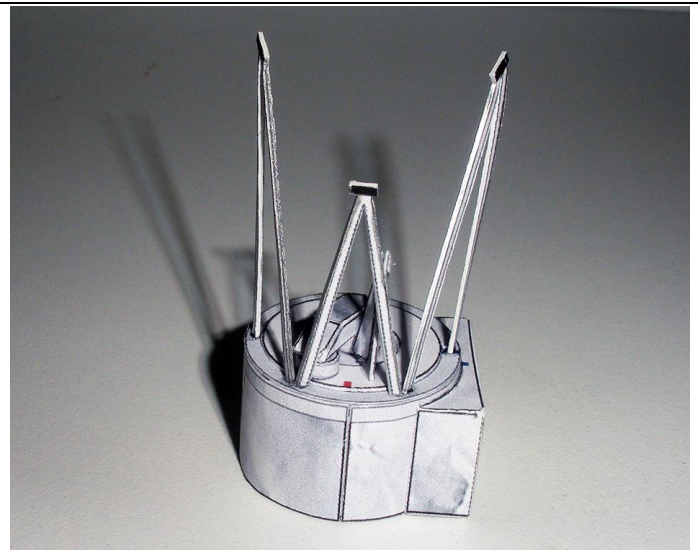
38 fits inside **36** as shown.



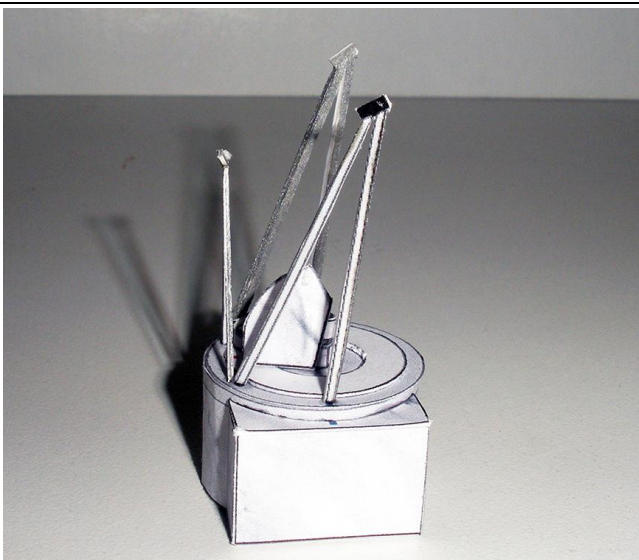
Flip over and glue **37** outside on the other side as shown.



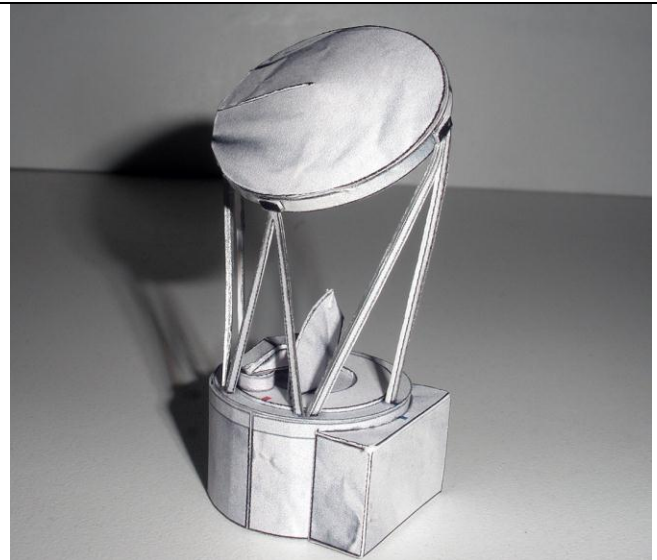
Glue to cardstock (Super Glue is recommended), color backside grey, carefully cut out.



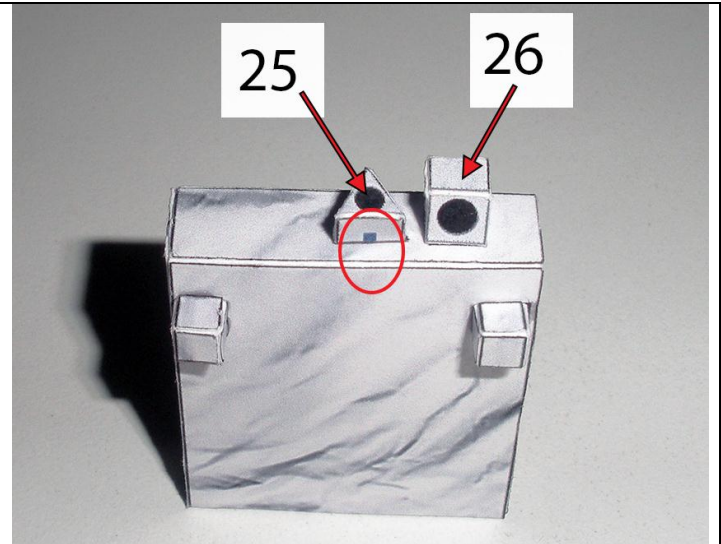
Glue onto the small black dots on top as shown. Shorter struts is glued where the seem is.



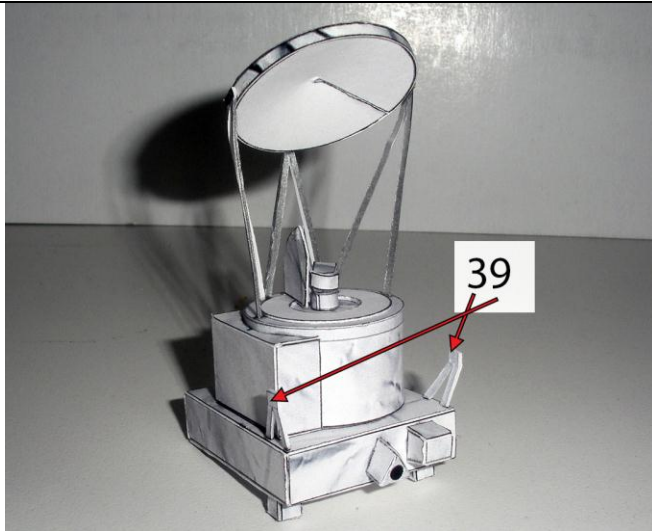
Side View



Glue the dish on top, match the three black rectangles on the side of the dish and the three struts. May need to twist the upper part of the side struts to do this.



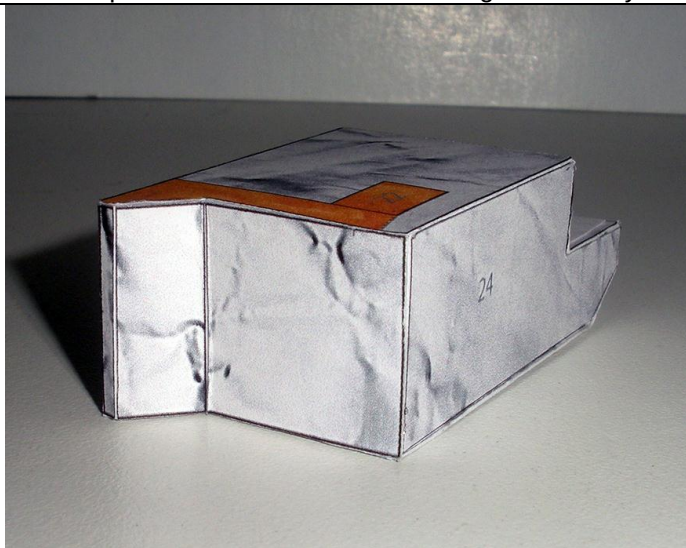
Glue 25 and 26 as marked on Part 8 as shown. Blue marker on 25 faces down.



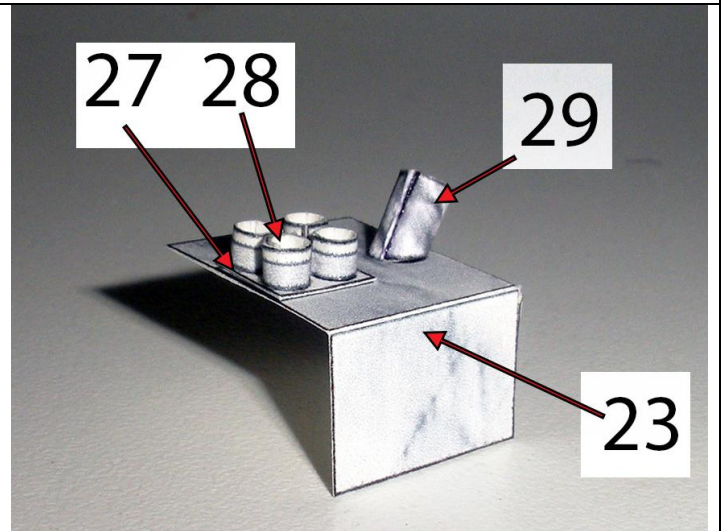
Glue the dish assembly on top matching the graphics on part 8. Glue 39 onto the black rectangles as shown. This completes the GPM Microwave Imager assembly.

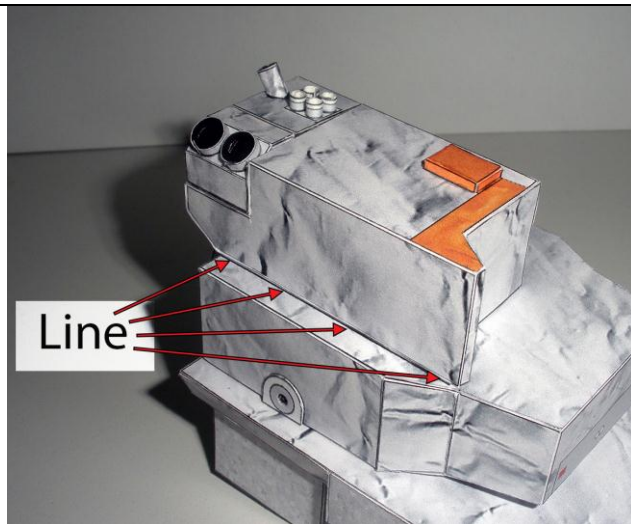
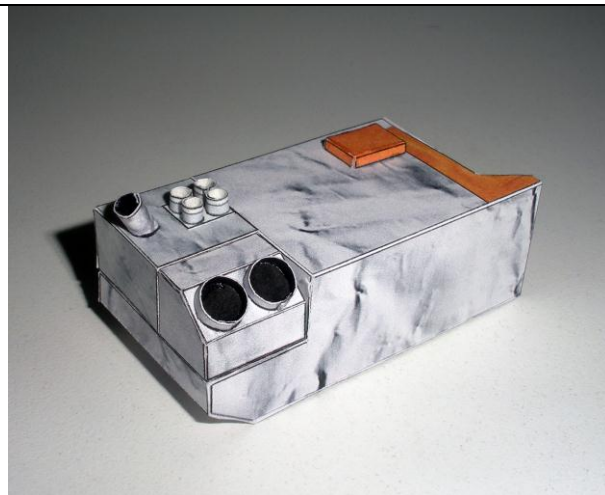
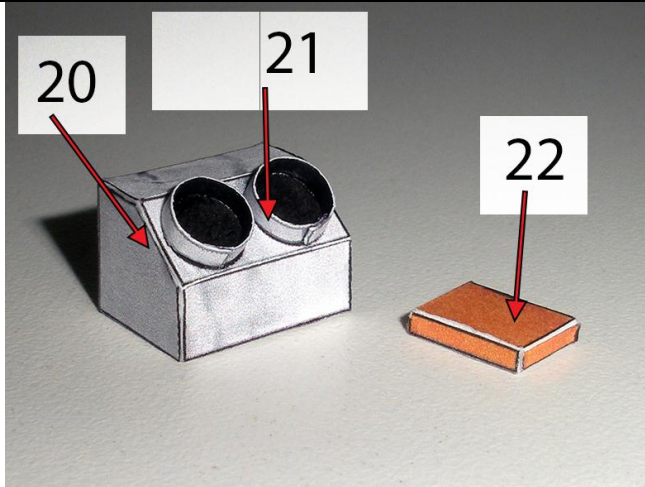


Part 19.

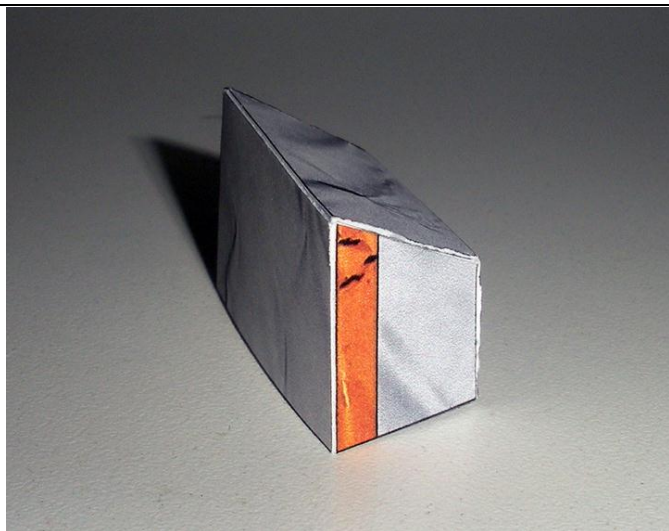


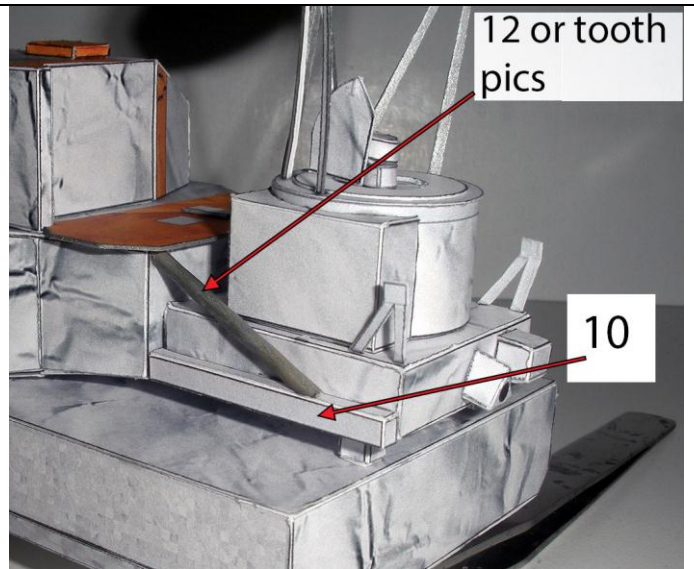
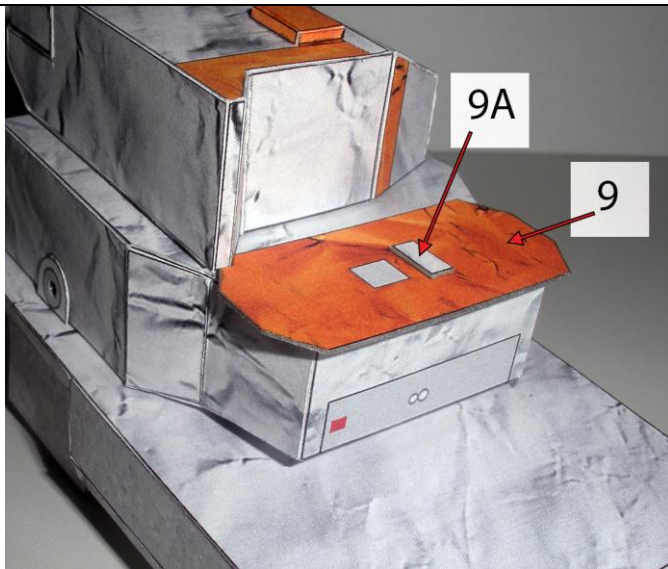
Part 19 front view.



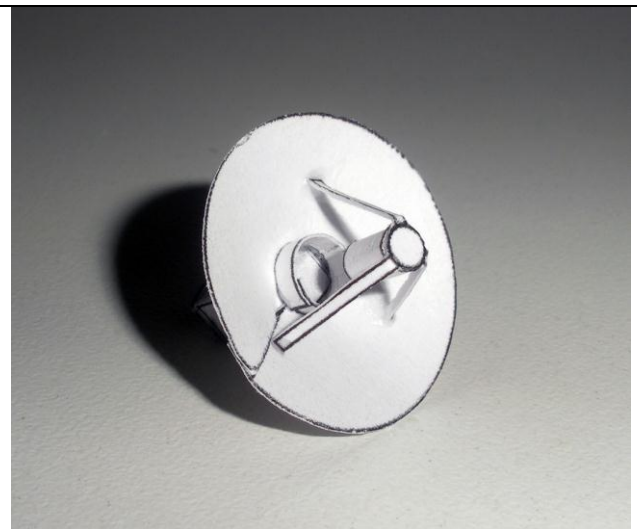
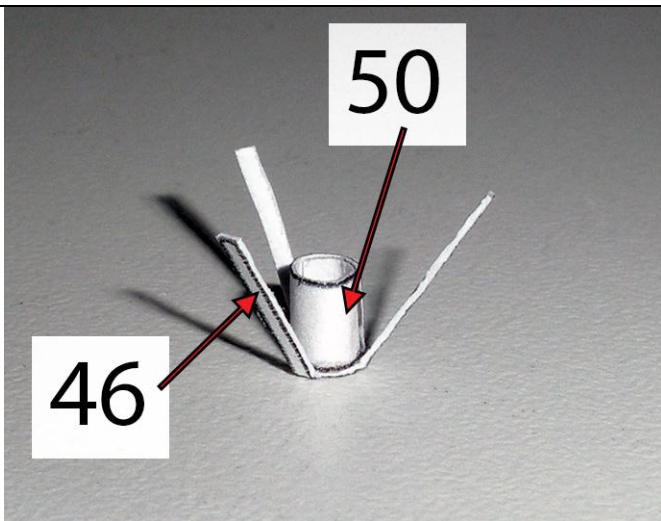
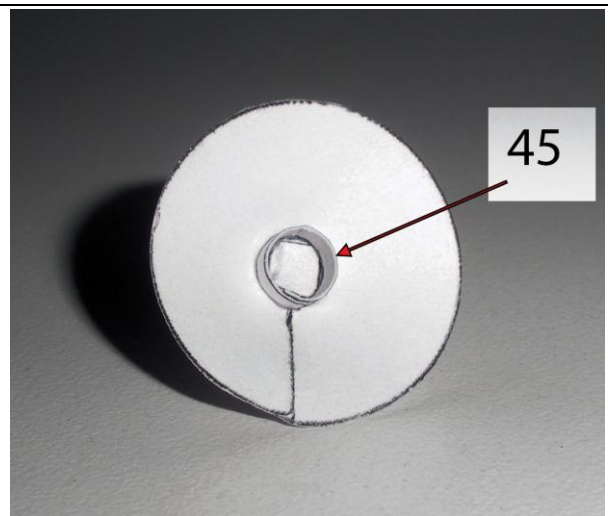
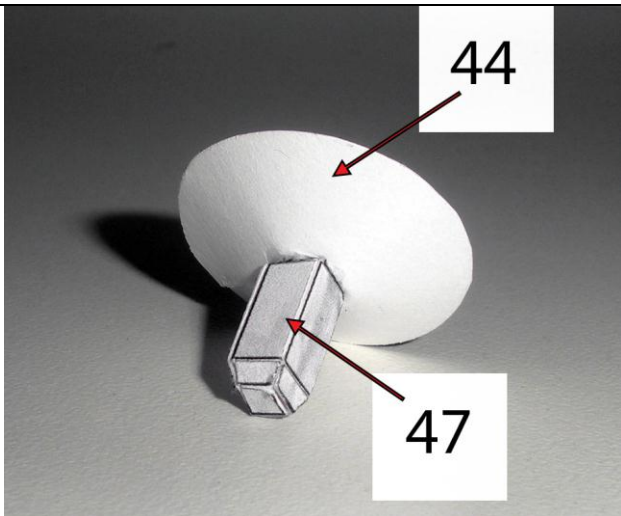


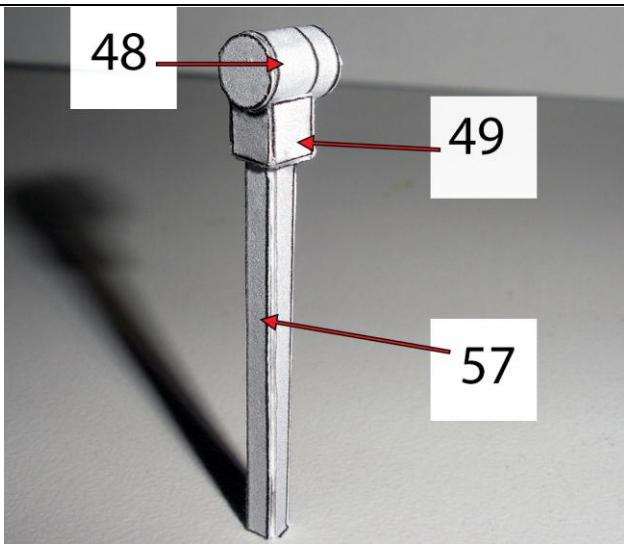
Glue on the top over the black line as shown.



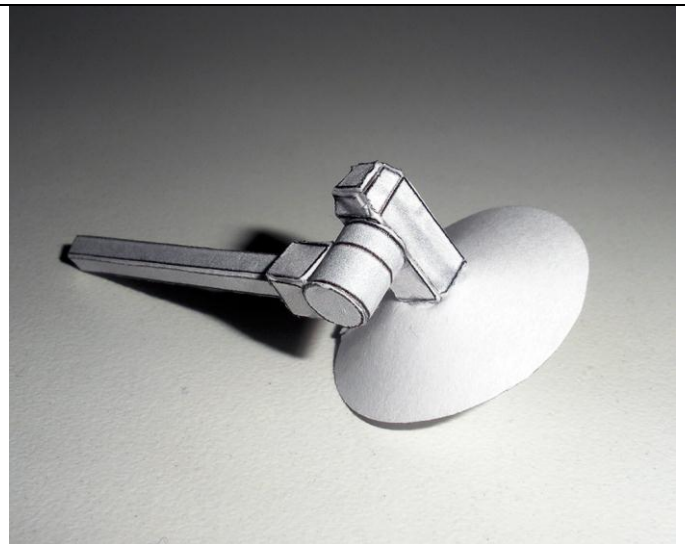


Glue the GPM Microwave Imager assembly to the font as shown with the bottoms flat with each other. Glue **10** and **12** as shown on both sides.

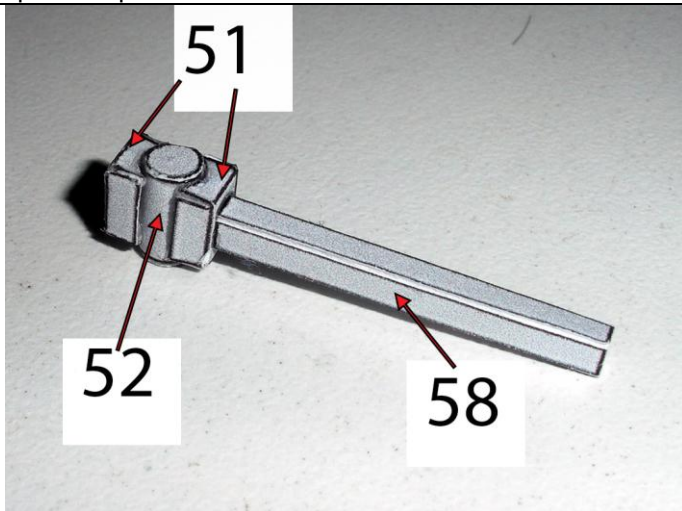




Fold-glue these as shown, can use square match sticks in place of part 57.



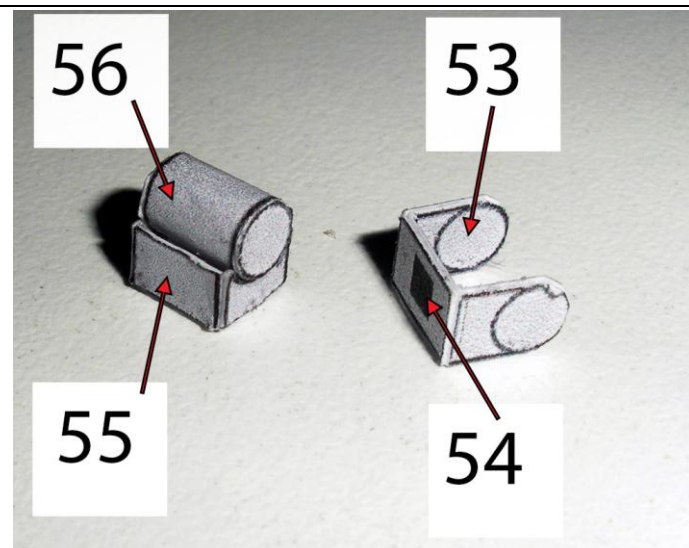
Glue together as shown.



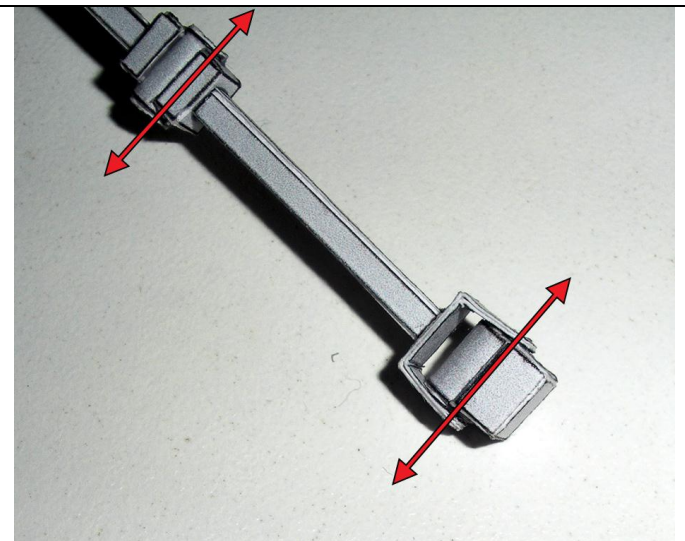
Can use square match sticks in place of part 58.



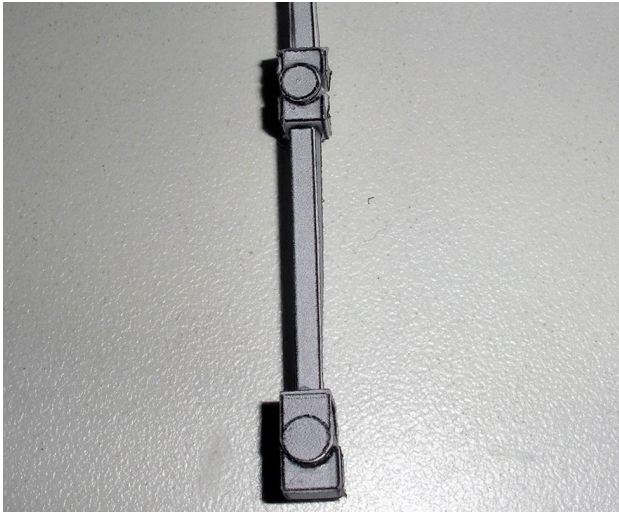
Glue together as shown, round disc on 52 faces the same direction as the dish.



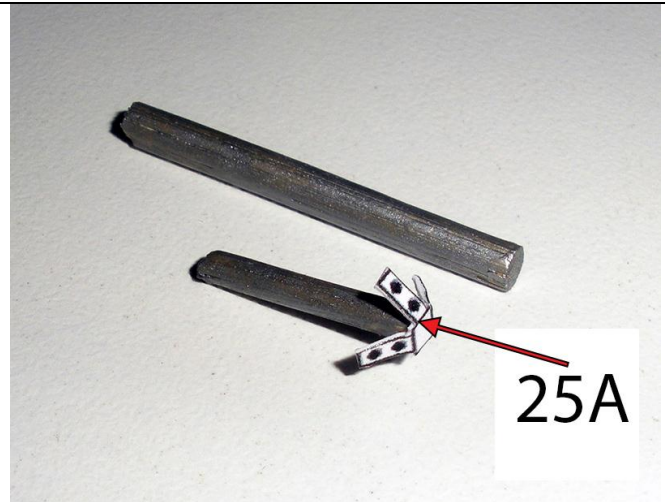
53 is glued inside 54 for inside color and strength.



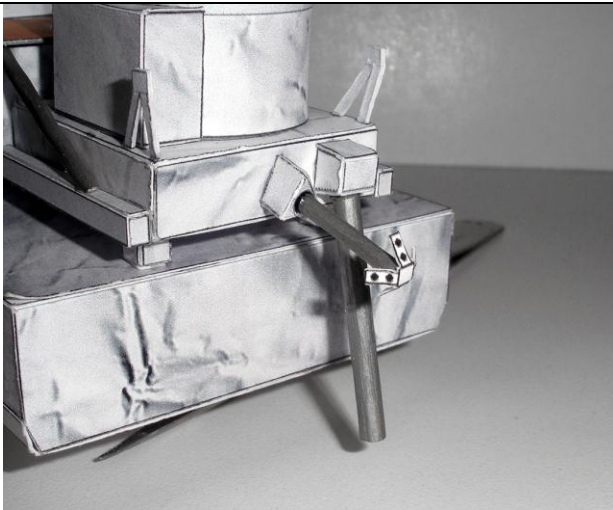
Glue together as shown, matching the orientation of 51-52.



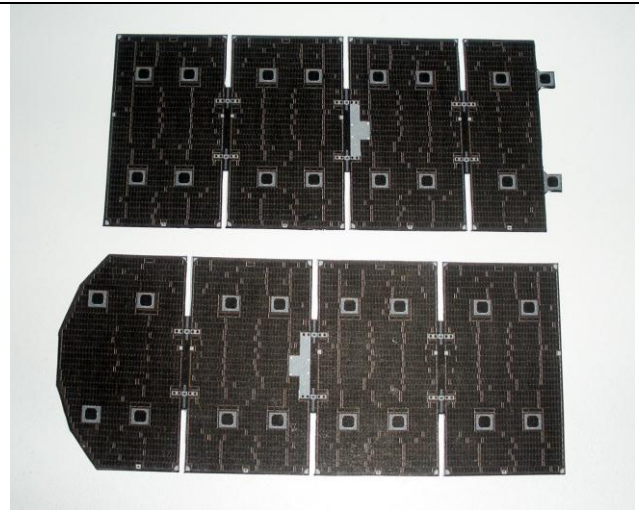
This completes the HGA.



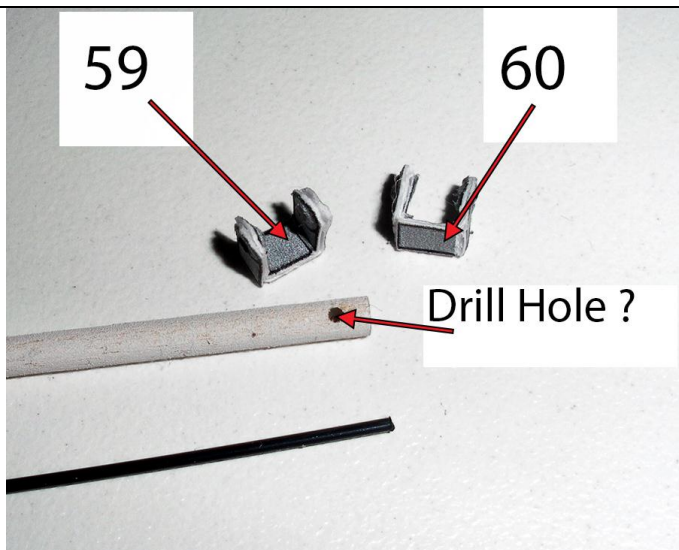
Need bamboo skewer cut at 1 1/8 inch or 29mm long and a tooth pic cut at 5/8 inch or 15mm long, both colored grey or silver. Glue part **25A** at one end of the tooth pic.



Glue in place as shown.



Glue front and backsides of both solar arrays together.



Glue inside and outside of part **59-60** together. Need a skewer or coat hanger wire around 2mm diameter cut at 7 1/8 inches long - painted white..

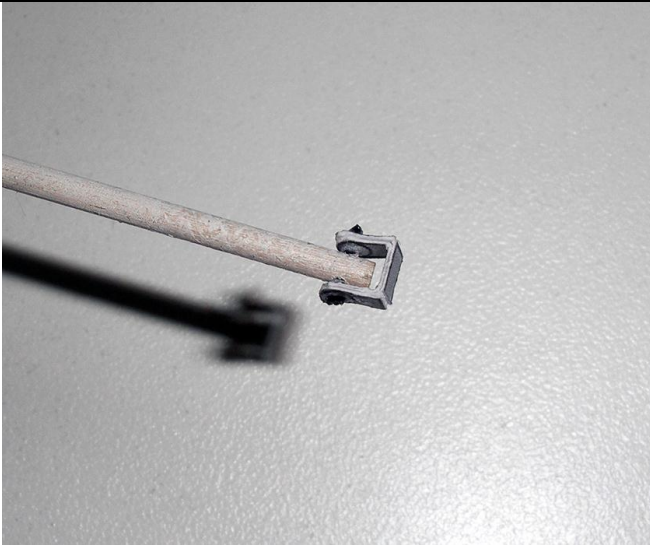
The actual solar arrays on the satellite pivot at the end of the rod. You can simulate this starting by drilling a very small hole at both ends of the bamboo rod. Use a plastic broom straw or thin music wire to hold the hinges (59-60) in place with a snug fit.

Apply glue at the end of the plastic broom straw or music wire to keep it from sliding out.

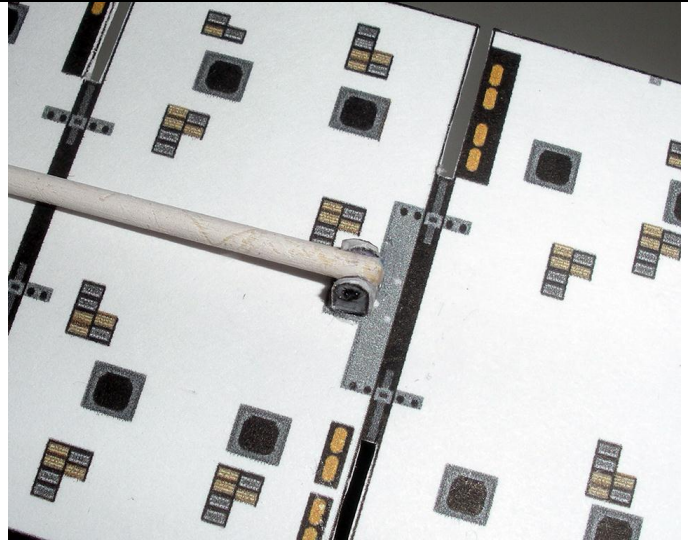
Problem with this is that the solar arrays are not balanced which causes them to automatically pivot down instead staying in the orientation that you rotate them.

Applying paper (no glue) between the hinge and the rod may stiffen them enough to stay in place that you move them to.

Had to do this while building the model for these instructions.

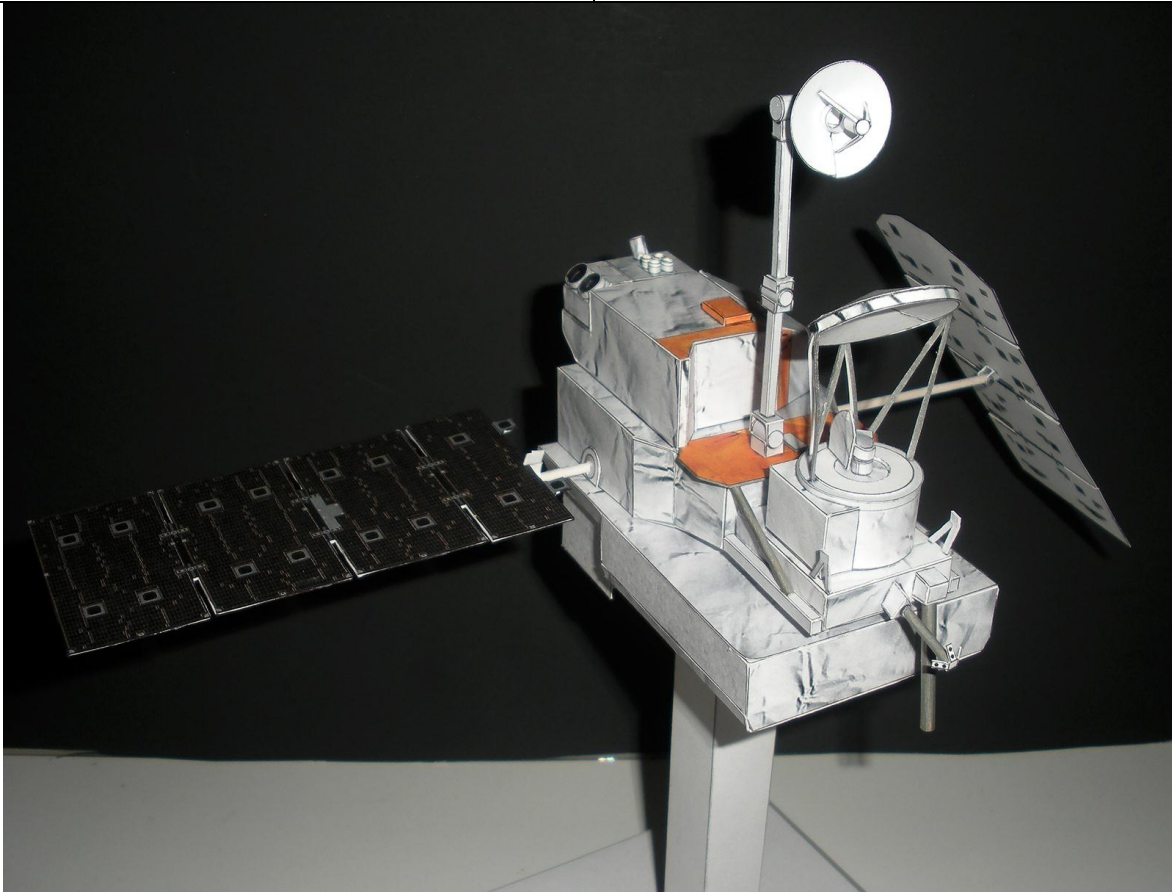


Pivoting hinge.



If you don't desire pivoting solar arrays, simply glue the hinges onto the backside of the solar arrays as shown, then glue the solar arrays to the end of the rod (**with the smaller solar panel towards the satellite**) while tilting them any way you like.

Panel with the rounded end is mounted to the right side of the satellite (see photo below).



Glue the HGA onto the grey square on the orange area as shown, your model is done.

