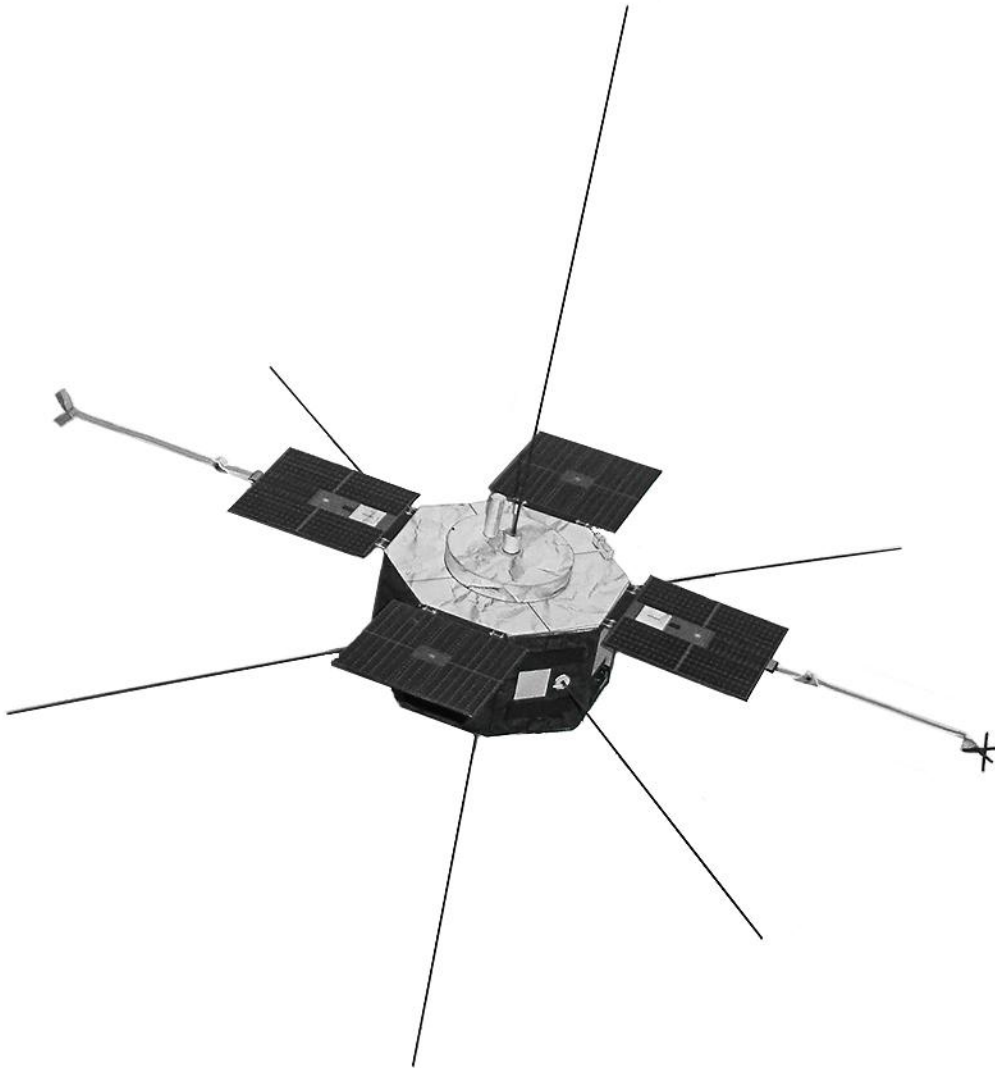
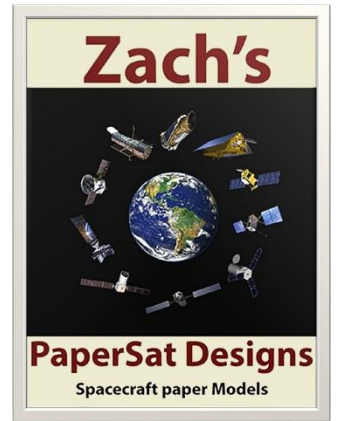
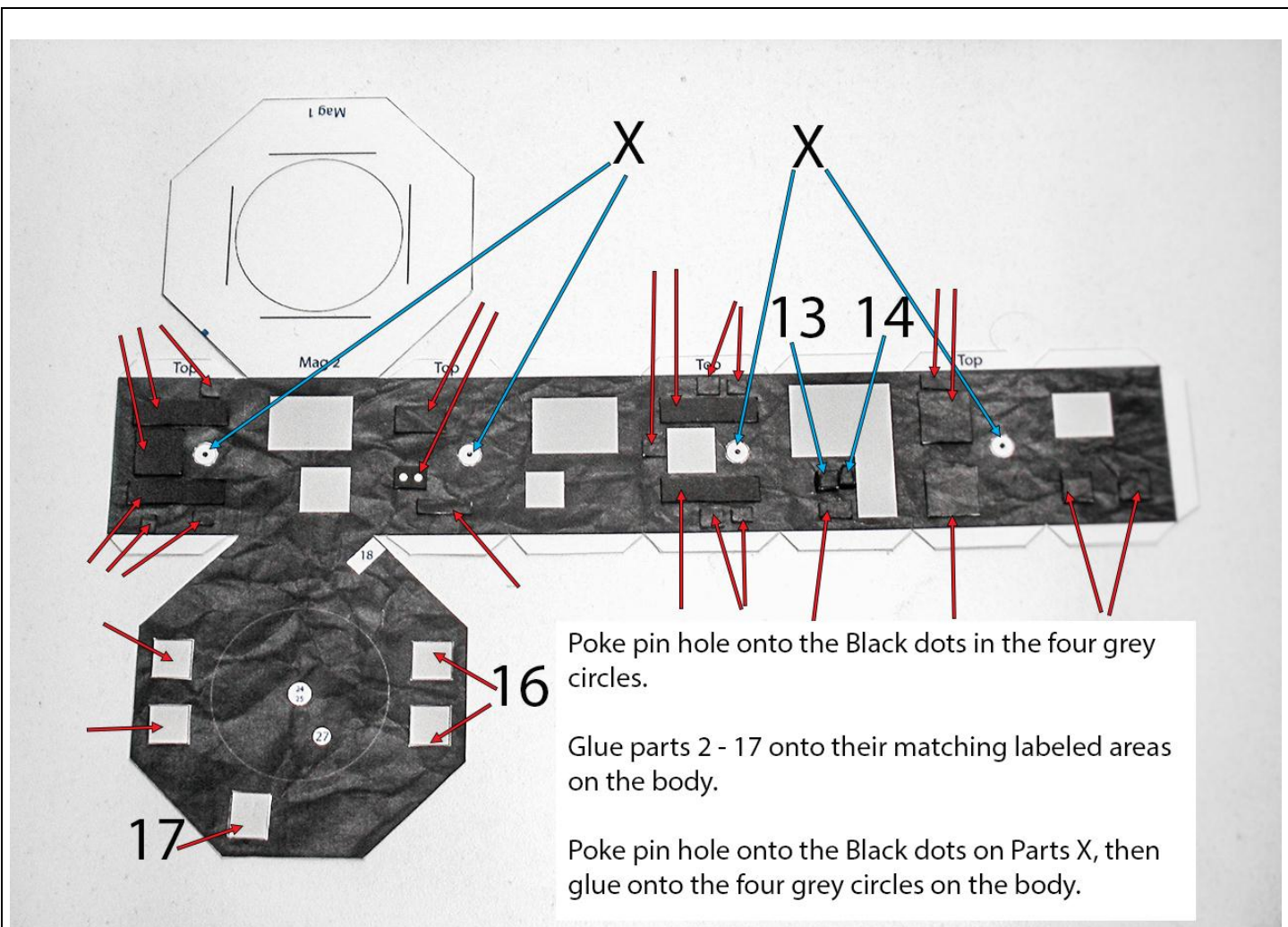
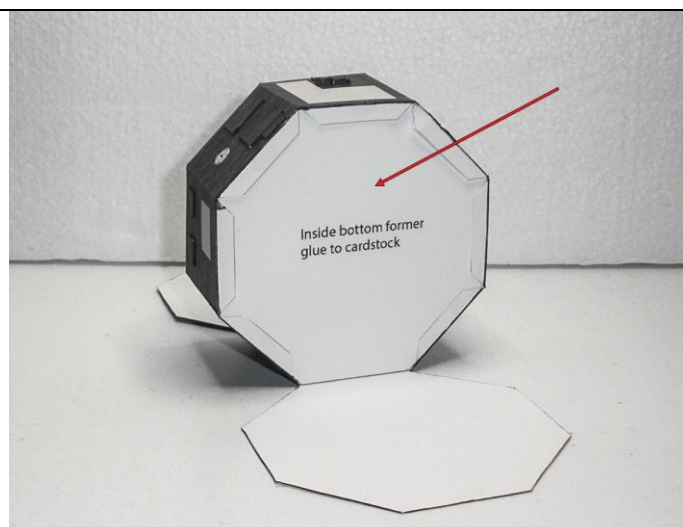
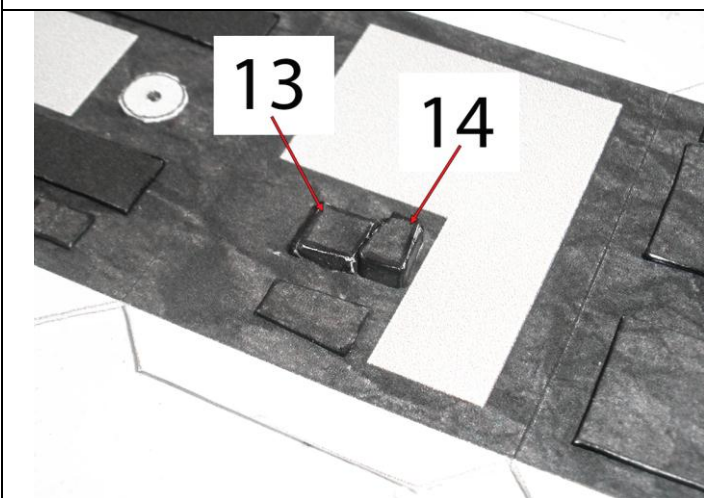


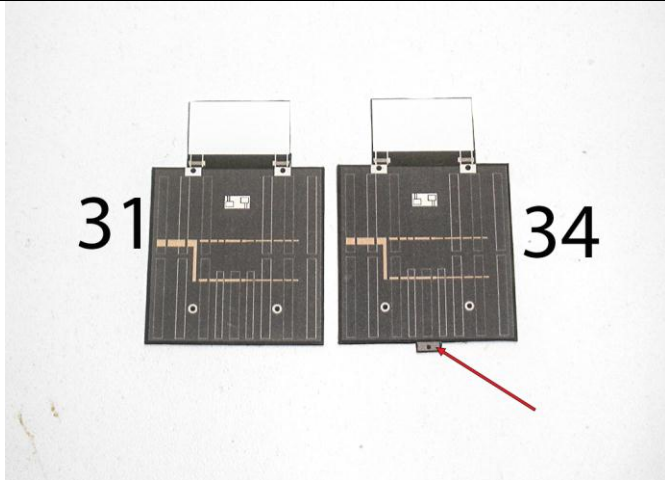
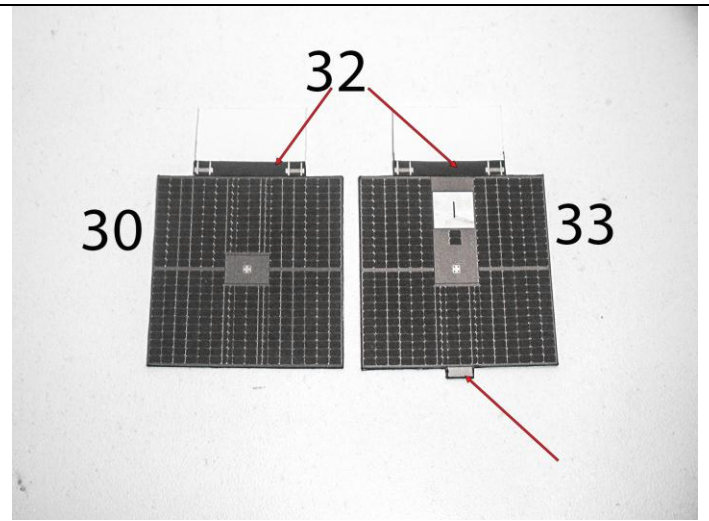
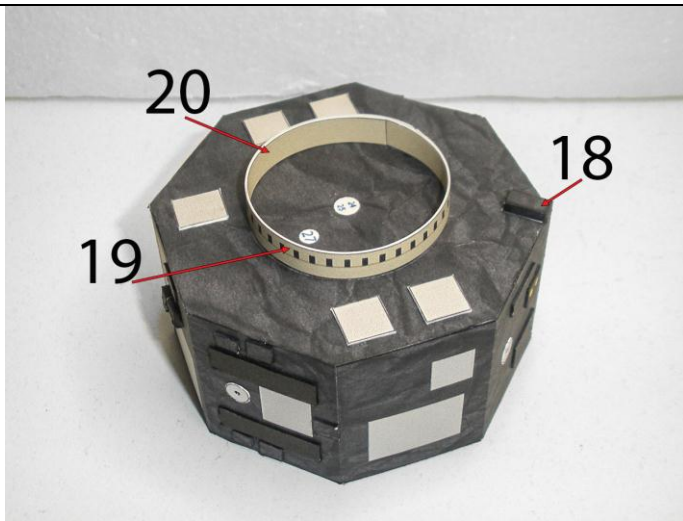
Van Allen Probes
1/30 Scale paper Model Instructions





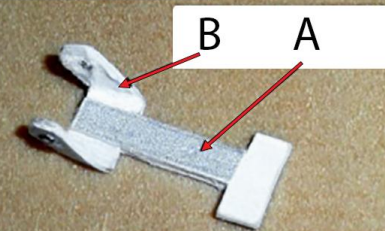
Glue Parts 2 – 17 onto their labeled areas.



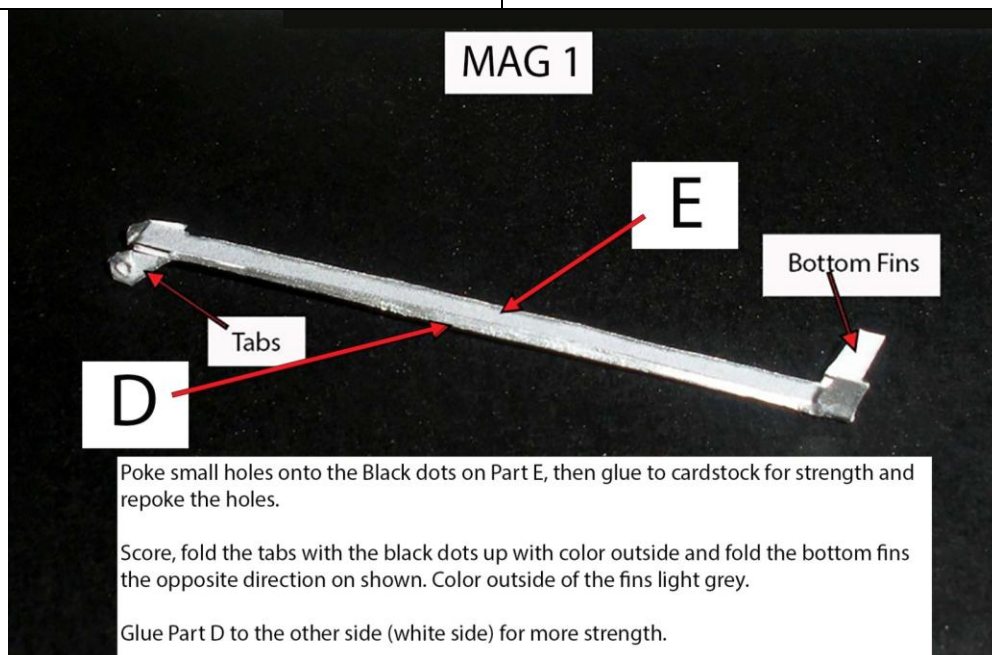


Match the grey circles on 31 and 34 to the grey circles on the back side of each solar panel.

Part A, B - A2, B2 are the same parts



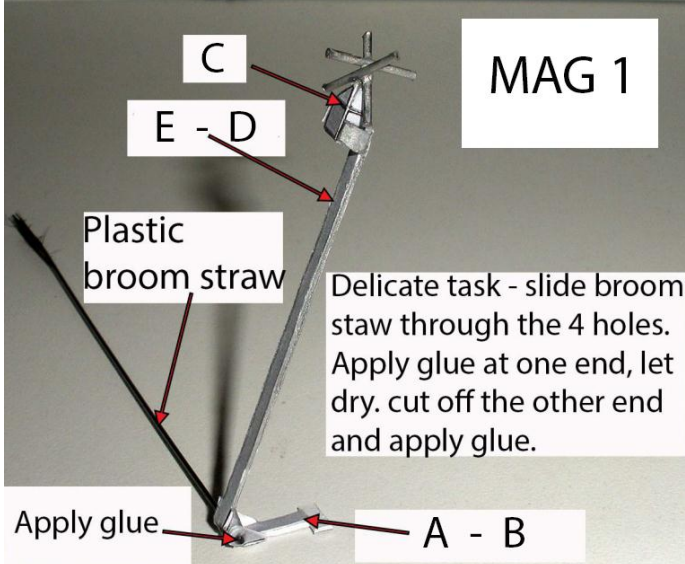
Poke small holes on the black dots on B and B2, then fold tabs with the black holes up with the color outside as shown.
Glue A and A2 onto their respective parts as shown.
This will give B and B2 more strength.



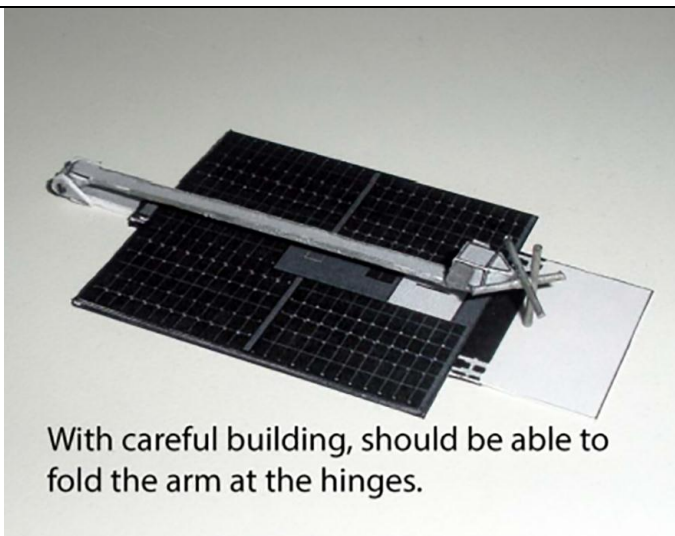
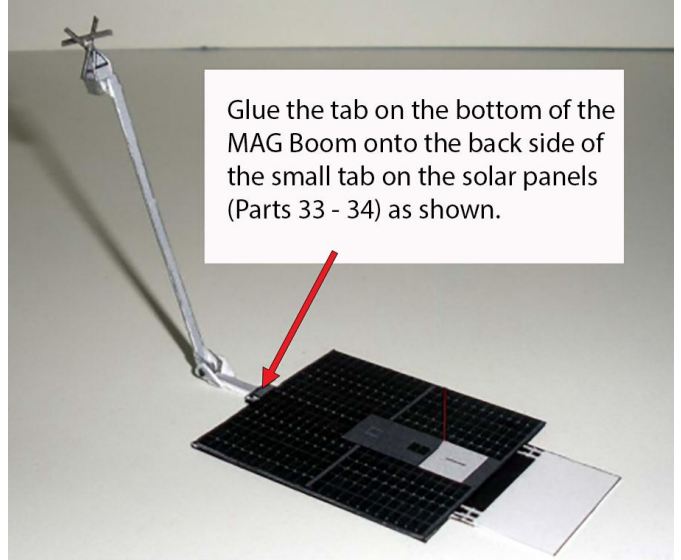
I used Plastic broom staws for this.
Use the Template to cut to size and glue to form an
"X". Glue the 3rd piece across on top as shown.
Paint silver or grey.

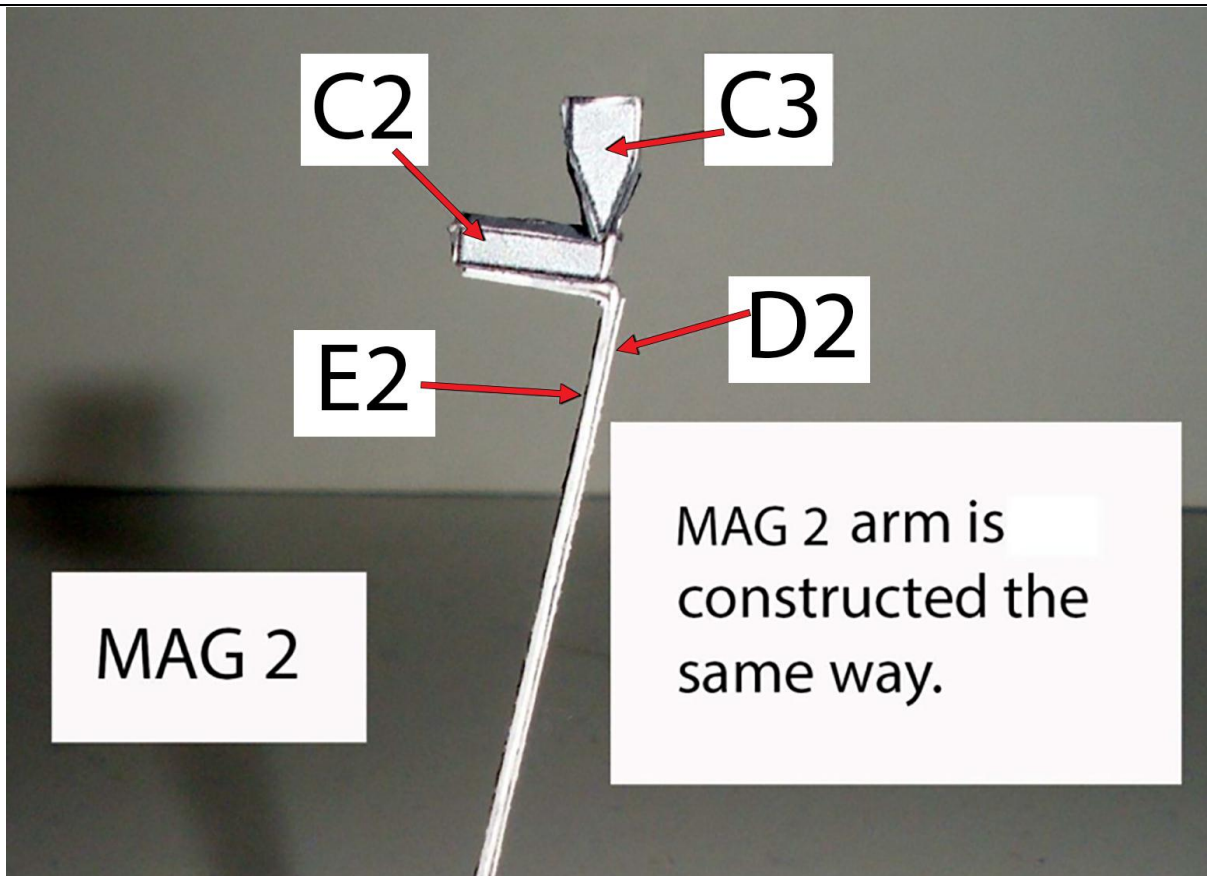


C

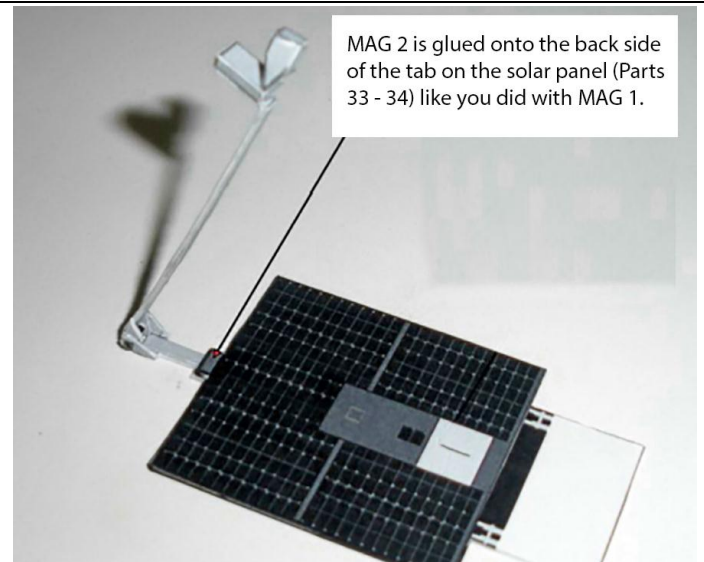
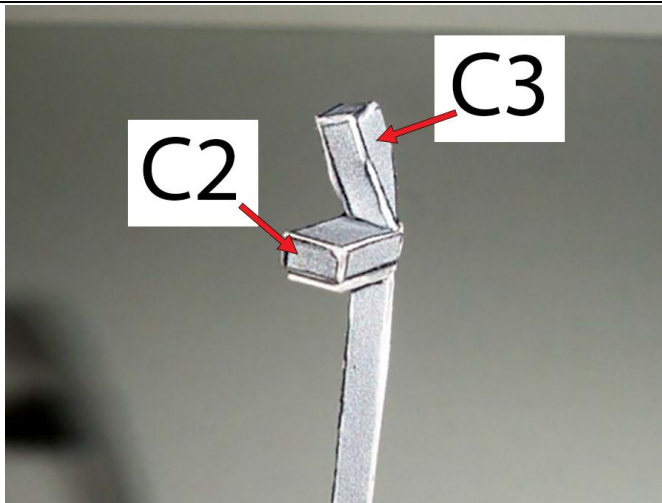


Glue the tab on the bottom of the
MAG Boom onto the back side of
the small tab on the solar panels
(Parts 33 - 34) as shown.



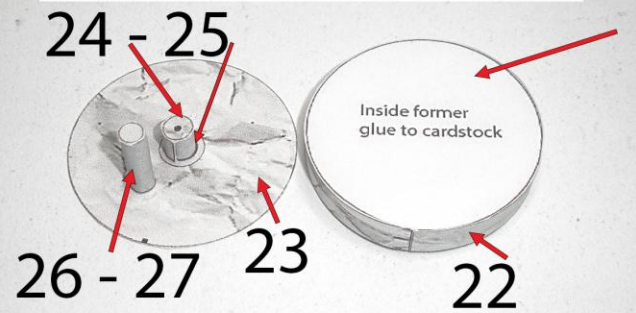


Fold the flap at the end of MAG 2 90 degrees with color facing each other. Parts C2 and C3 25 are glued on the flap as shown.





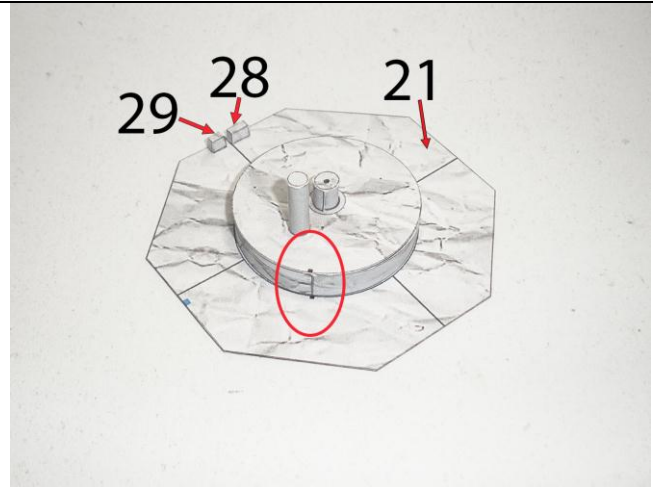
Poke small hole onto the Black dot on Parts 24 before gluing together



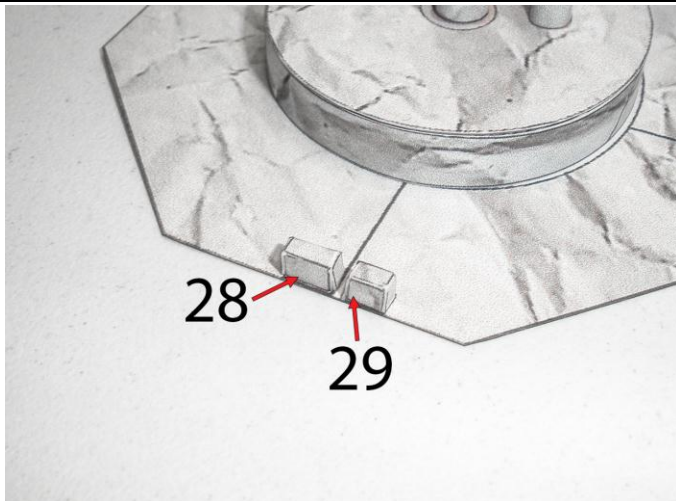
Inside former fits inside of 22.



Match the marker on 23 to the seem on 22



Glue onto 21, match seem on 22 to the marker on 21



Set this to the side for now

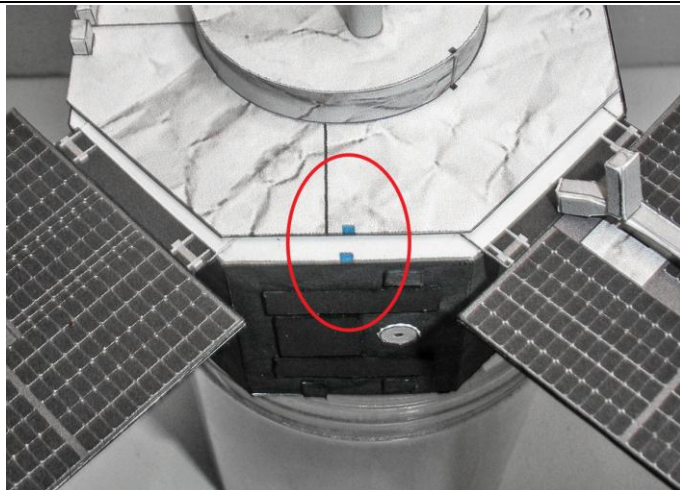
MAG 1 is glue on top at the side marked "Mag1".

30 - 31

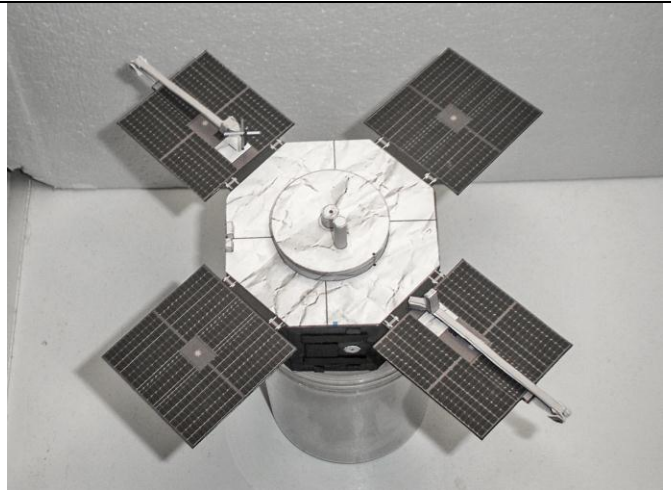
Glue the other 2 solar panls as shown.

30 - 31

MAG 2 is glued on top at the side marked "Mag 2".



Glue onto the top, match the two Blue markers

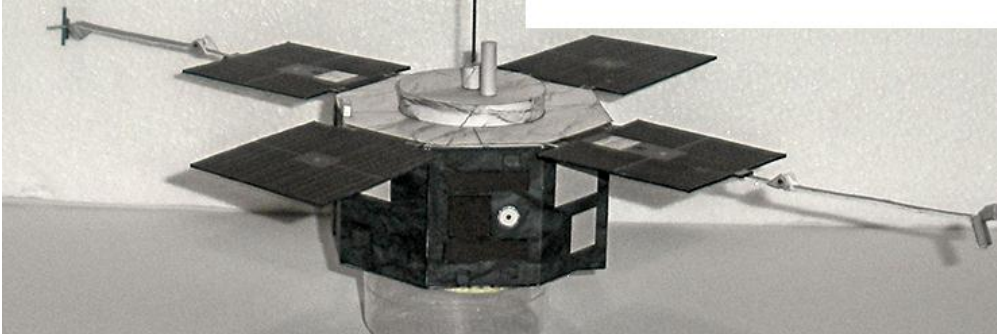


Top Axial Boom

A music wire around 1mm diameter, 7 inches long was used which is close to the scale of the model.

Insert into the hole on Parts 24-25 and glue in place. Do the same for the bottom of the spacecraft.

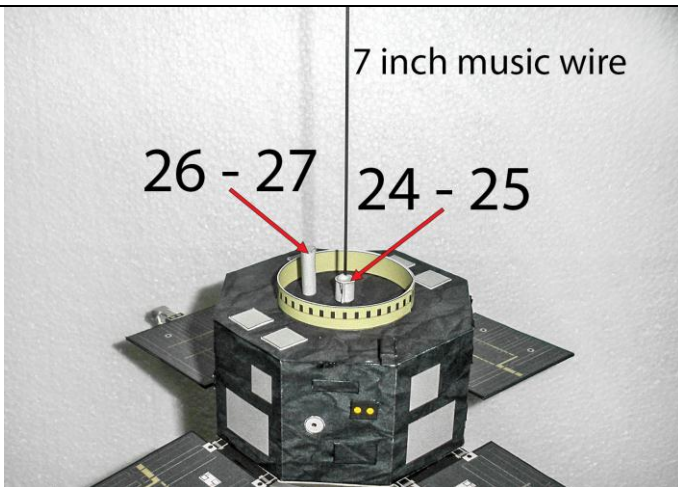
When deployed on the real spacecraft (top and bottom), they would measure 39.5 feet long.



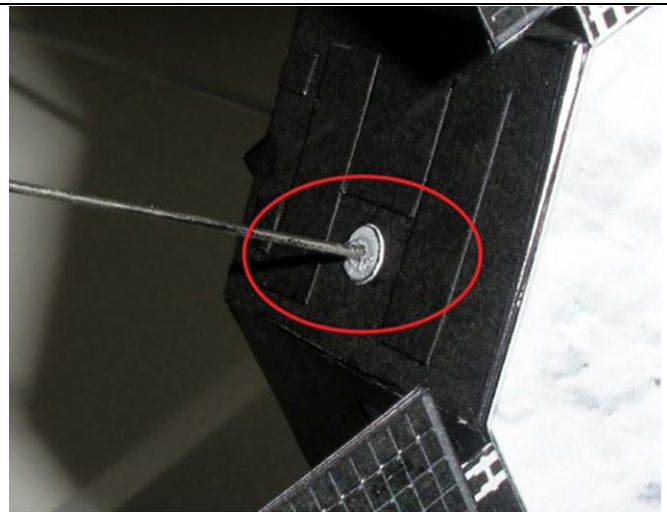
7 inch music wire

26 - 27

24 - 25



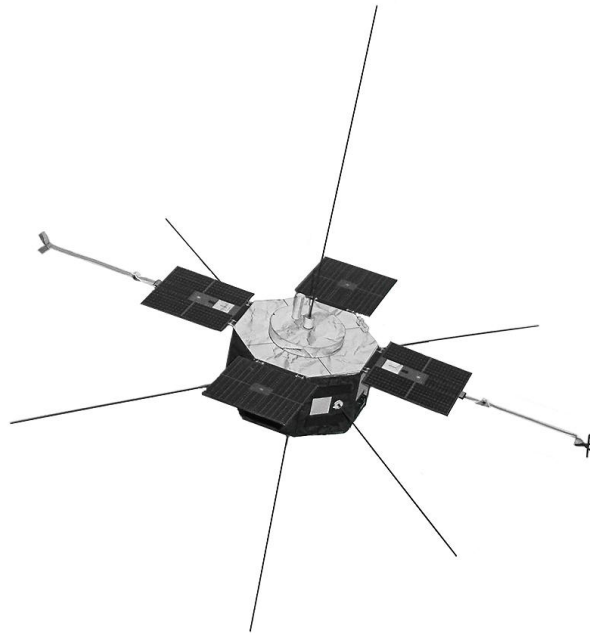
Cut the bottom Axial Boom the same length as the top.



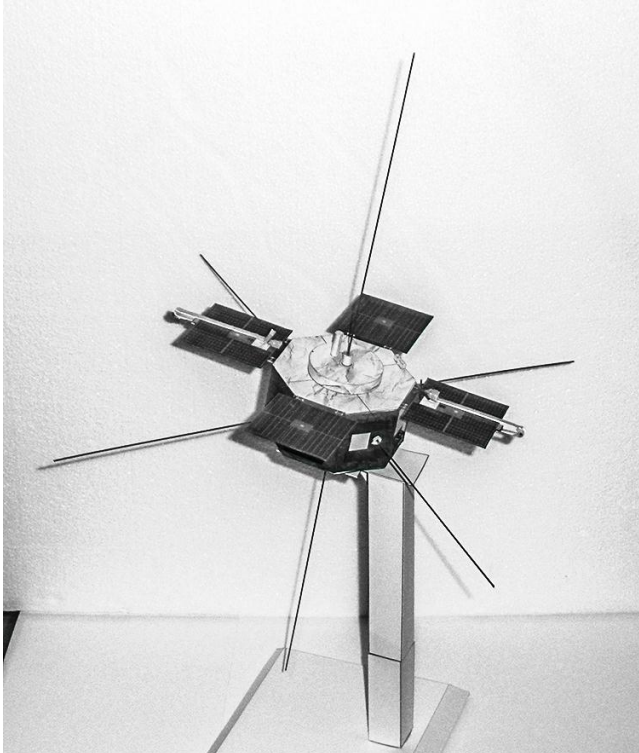
Cut 4 plastic broom staws 5 inches long, colored silver or grey. Glue each into the holes at the side of the spacecraft bus as shown. 5 inches is NOT to scale as compared to the real spacecraft.

When deployed on the actual spacecraft, they would be 333 feet tip-to-tip or 164 feet long each.

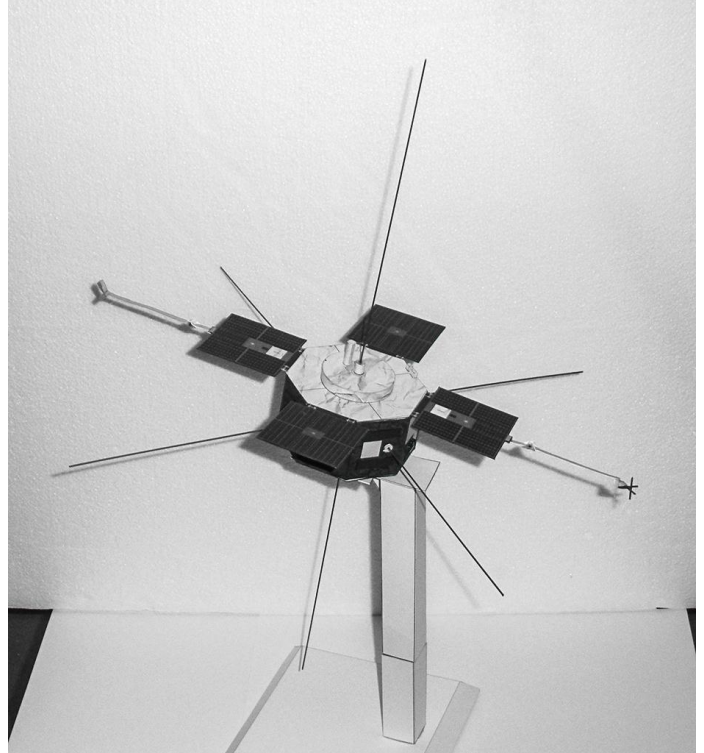
If you want them to be to scale on this model, they would be about 65.6 inches long each (If I calculated this correctly).



You model is done



Arms closed



Arms open