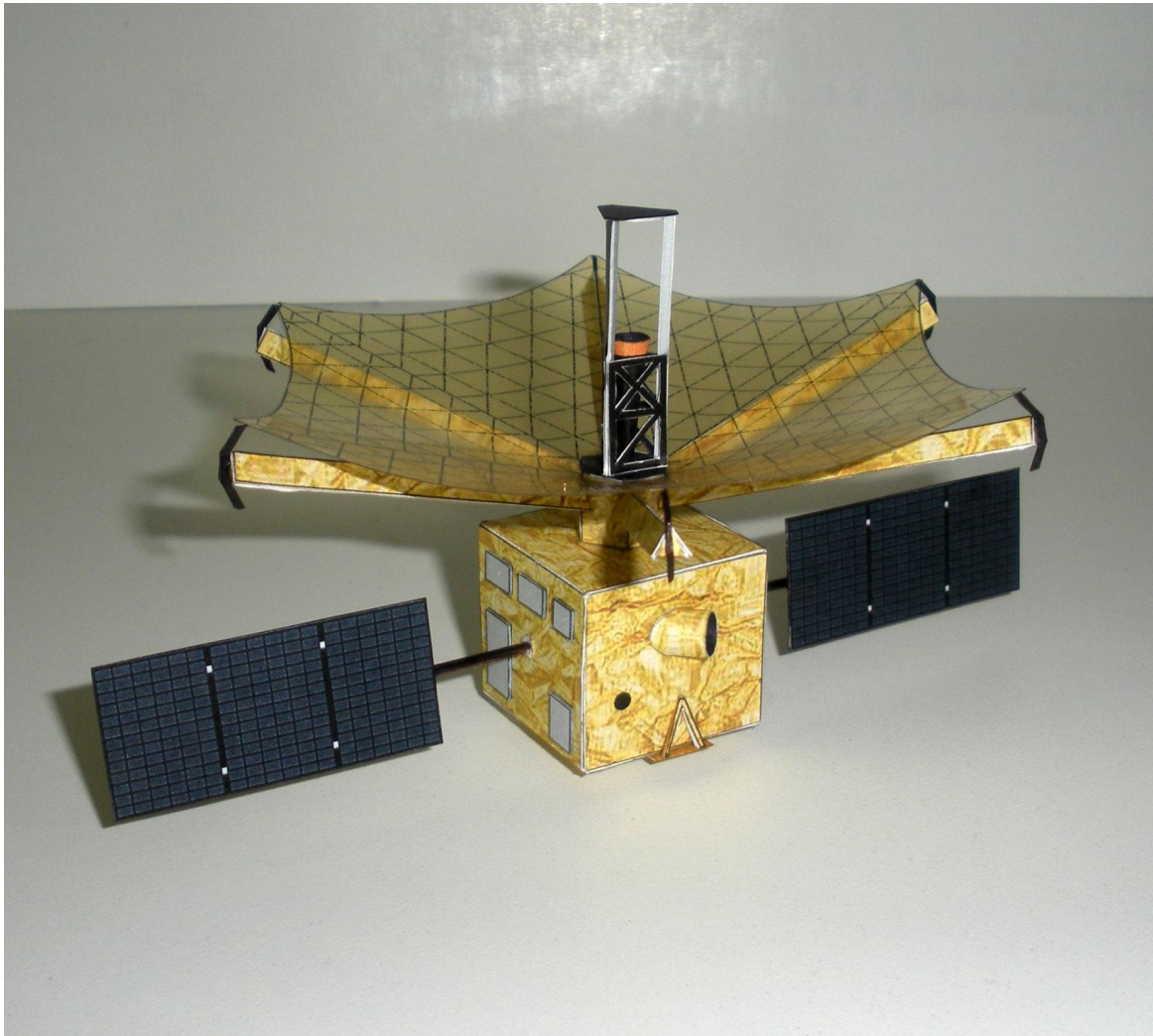
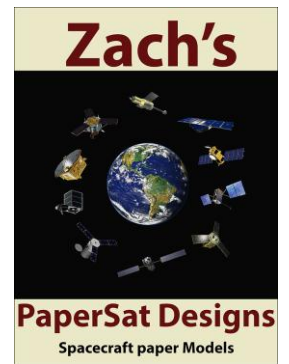
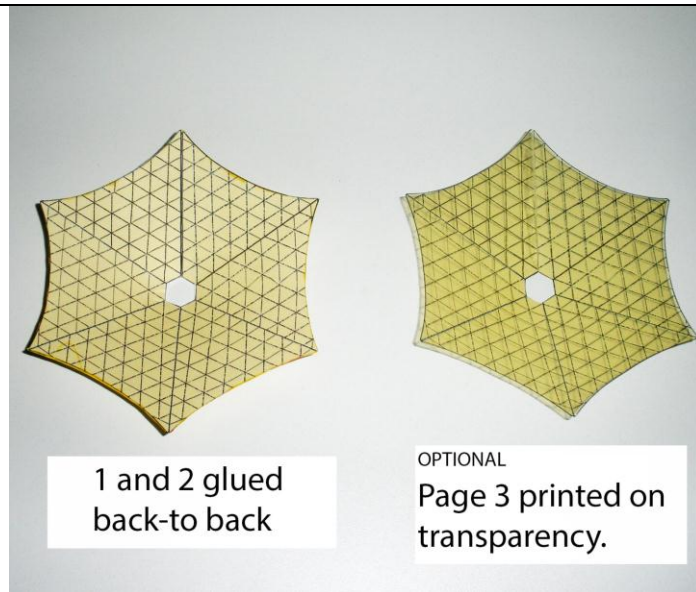


HALCA

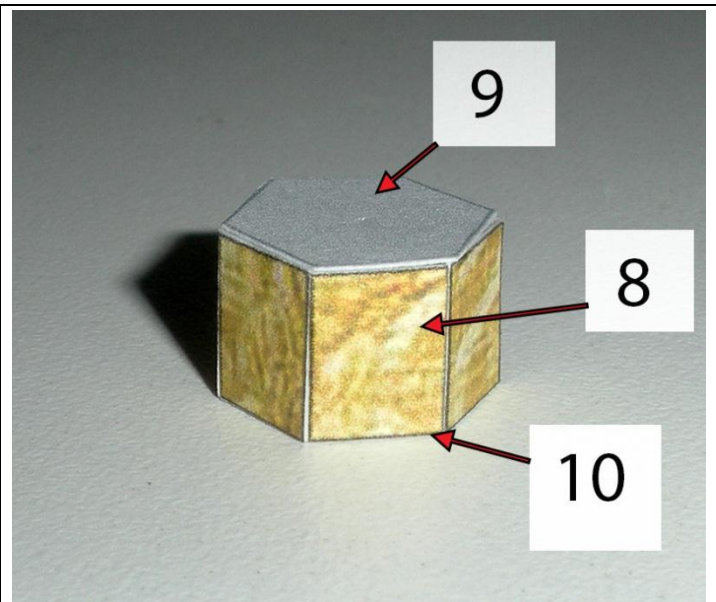
1/70 Scale Paper Model Instructions



Model is based on artist's renderings, the only photos ever found only shows the mesh antenna on the spacecraft.
Model scale is calculated using the mesh antenna specs.

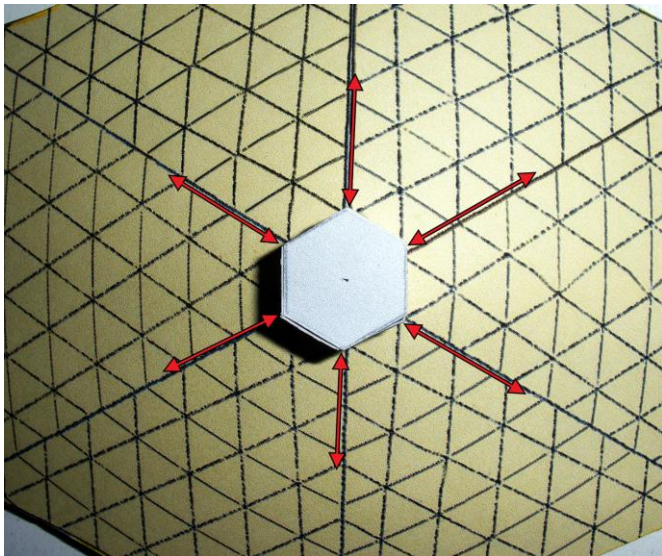


Part on the right gives the model a realistic look.



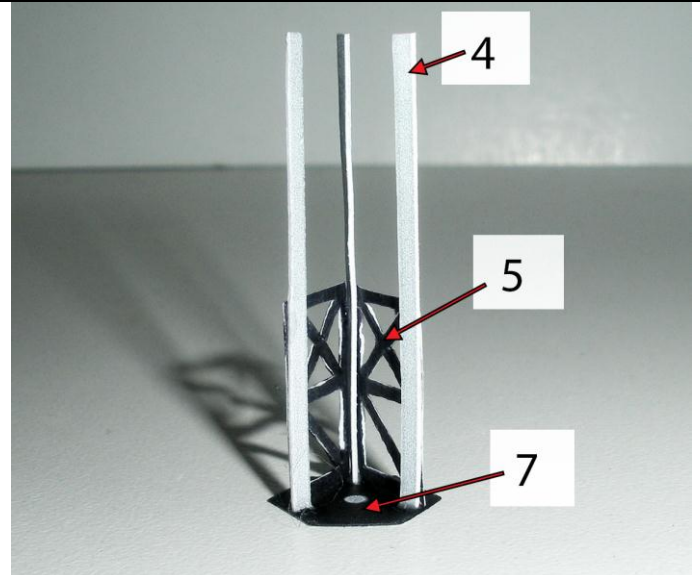
BASE FOR THE MESH ANTENNA

Glue Part **10** – should slide **INSIDE** of **8** to hold the hex shape. **9** is glued on top.



Glue the TOP base to the bottom of the antenna,

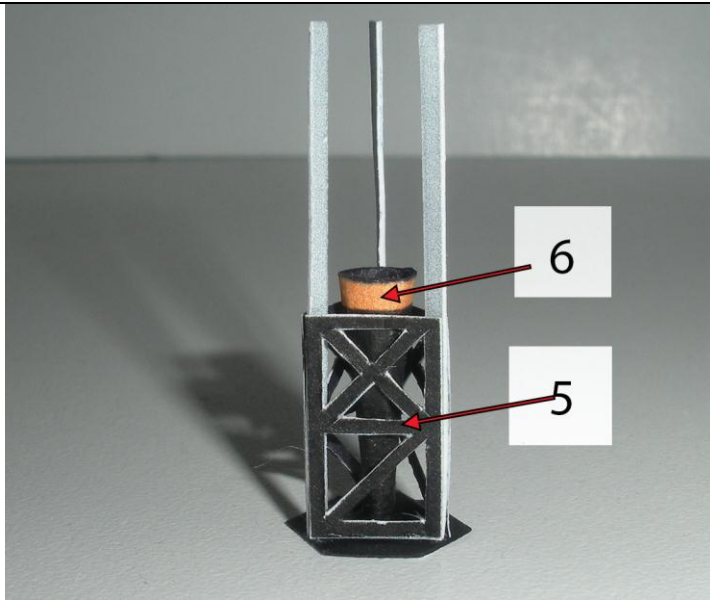
IMPORTANT – match the corners of the base to each of the 6 lines leading to the pointed end on the outer edges on the antenna.



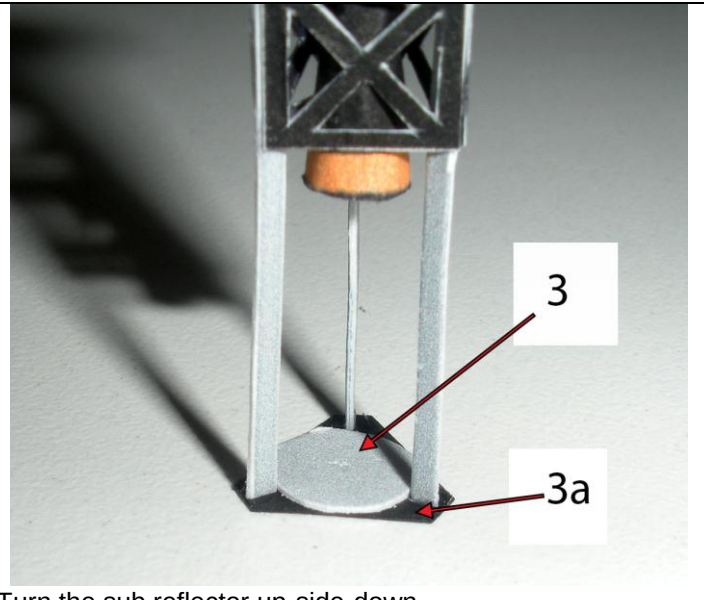
SUB REFLECTOR

Glue Parts **4** on the small grey lines on **7**

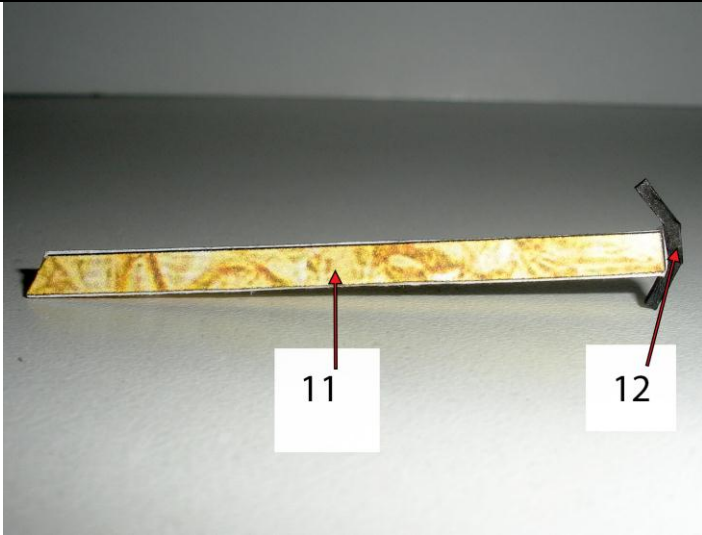
Glue 2 of Parts **5** in place between parts **4** (X pattern on the top)



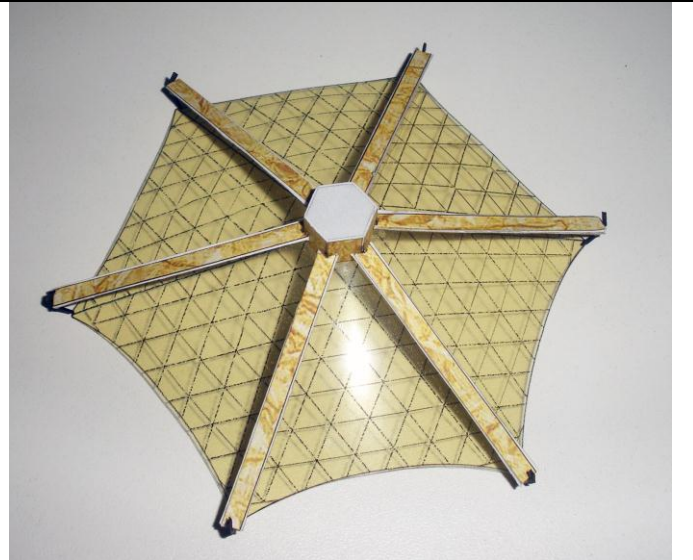
Glue the feed horn (Part 6) on the small grey circle on 7.
Glue the last of Part 5 in place.



Turn the sub reflector up-side-down.
Glue 3 onto thick cardstock then on the grey circle on 3a.
Glue the struts (Parts 4) onto the grey lines on 3a.

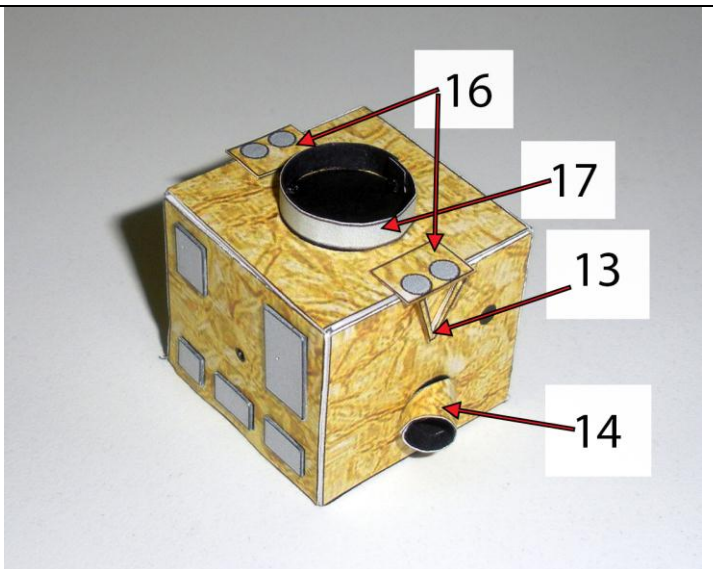
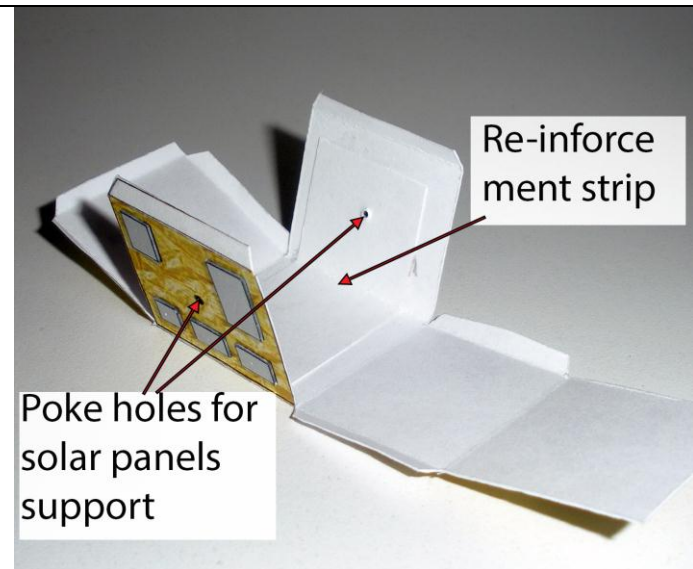
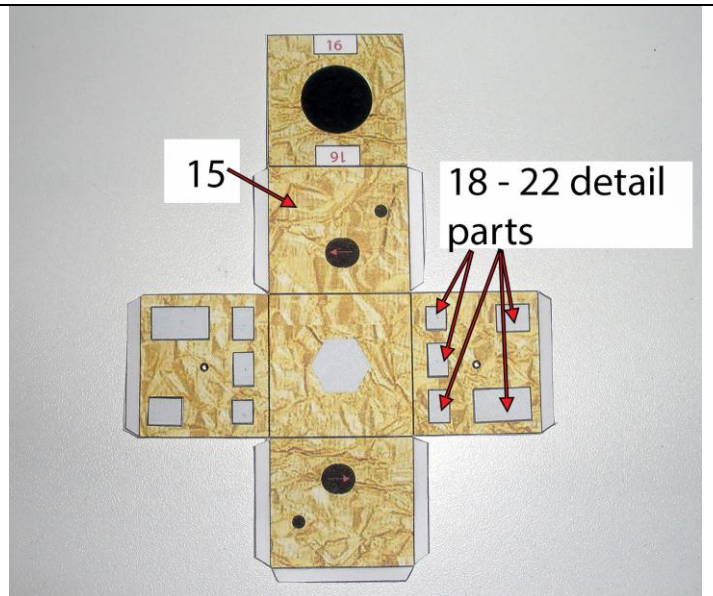
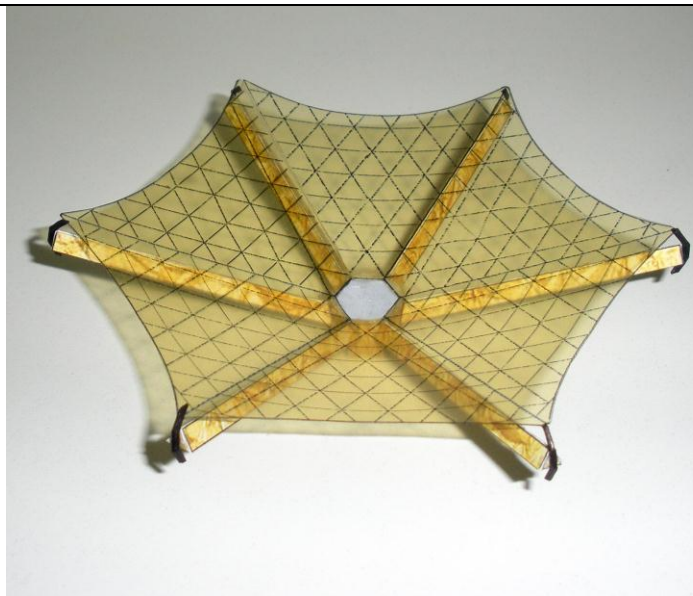


11 is glued to a triangle box. Glue **12** to the black line on the triangle flap on the straight end as shown.



Glue each of the struts (**11-12**) as shown. Angled end is glued to the top where the top of the base meets the bottom of the antenna.
The pointed edges of the antenna is glued to the tips of the black hooks (Part 12) of the other end of the strut.

See next photo



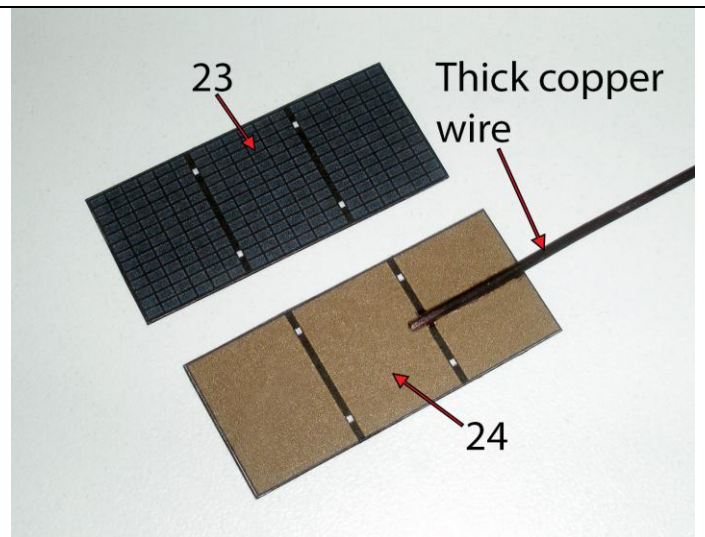
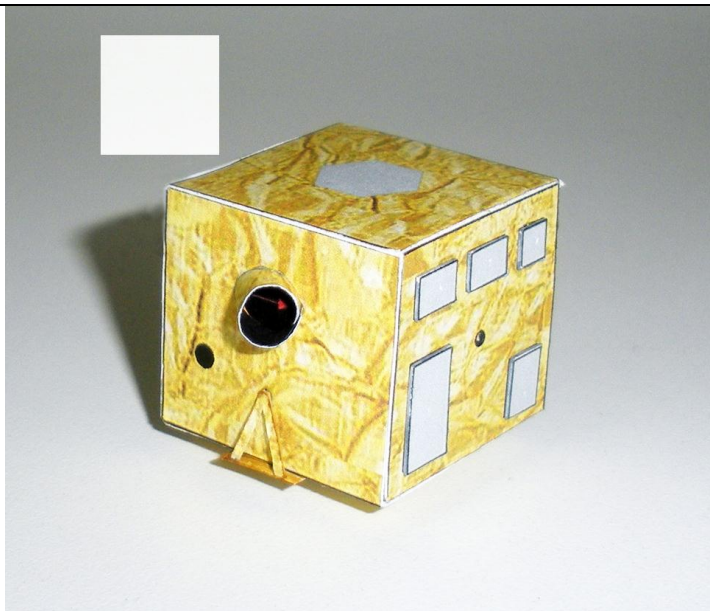
Re-inforcement strip adds strength for the solar panels and the mesh antenna assemblies.

14 is glued so that the opening faces the same directions as the red arrow on the body.
Bottom of 13 is glued to the outer edges of 16.
Top pointed end of 13 is glued against the body.

NOTE:

Need 4 plastic beads or similar material – 3mm (1/8 inch) diameter) – colored gold or similar color.
Glued them to the grey circles on the bottom of part 16.
These are the propellant tanks.

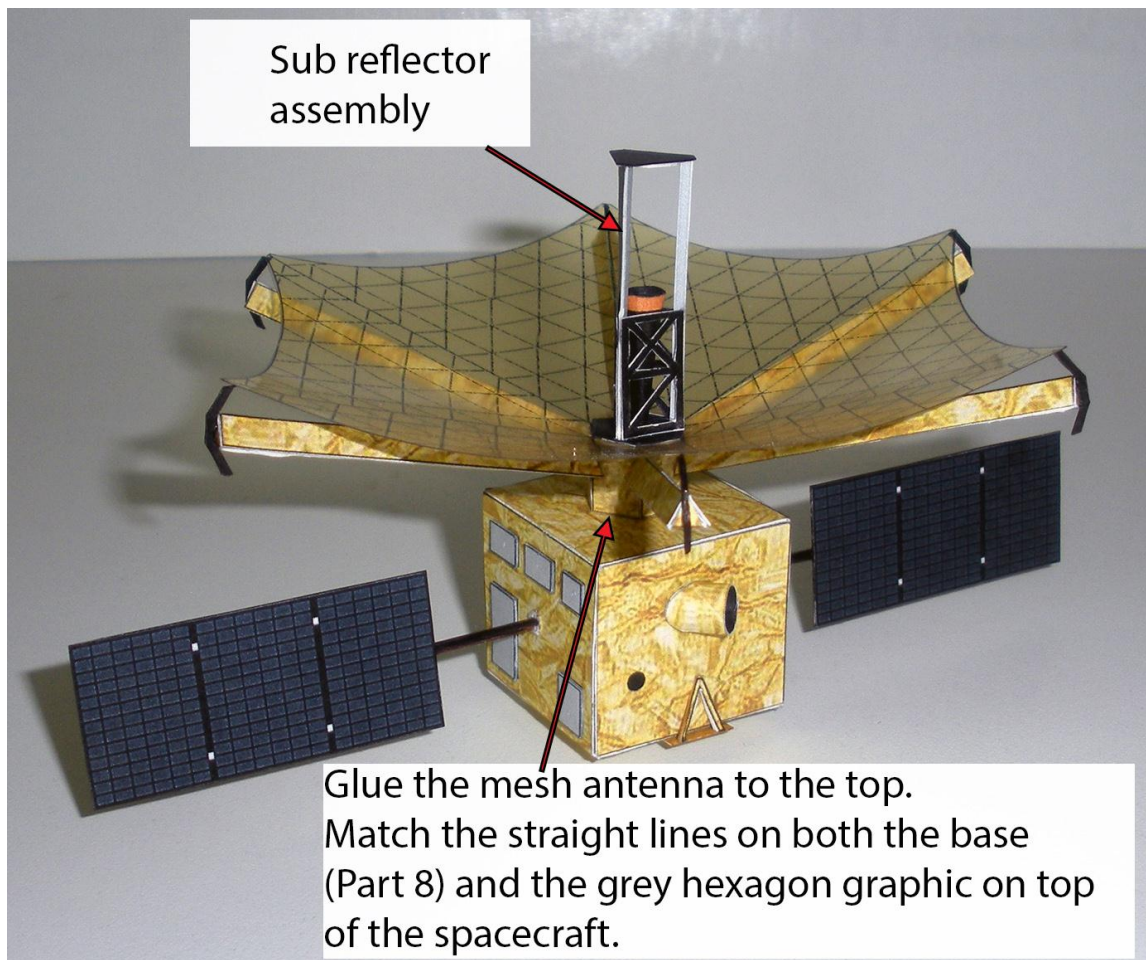
These were not available while writing these instructions.



23 and 24 are glued back-to-back.

Use a thick copper wire 3 ½ inches long. One end is glued at the black line on the backside solar panel (Part 24) and let dry.

Slide the other end through the holes on the spacecraft body. Glue the other solar panel the same way as the first. Each solar panel should be about ½ inch from the body.



Glue the mesh antenna onto the top of the body as shown. Glue the sub reflector on the top of the mesh antenna, match the hex graphics. Your model is done. Enjoy.

