







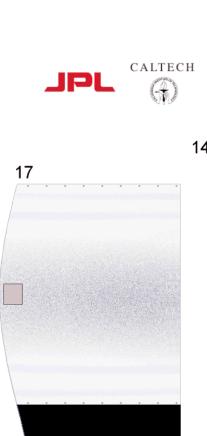
The new space telescope for infrared observation.

Scale 1:25



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Scale 1:25

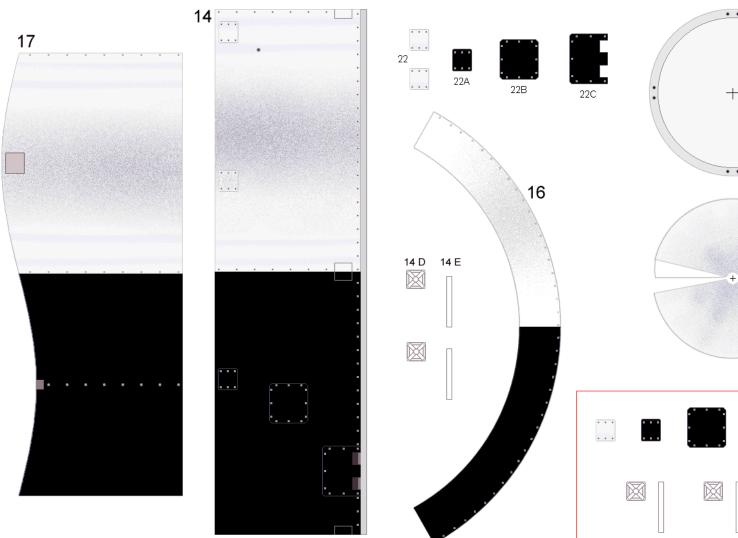


: 15

18

1 cm

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Paper model version by E. te Groen. For the Public Observatory Philippus Lansbergen, Netherlands.

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1 inch 1 cm

spare

The new space telescope for infrared observation.

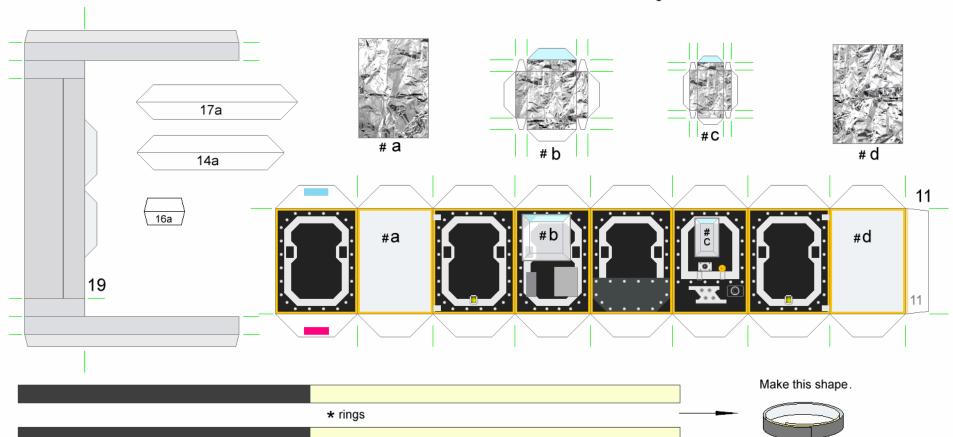




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Roll up, to double thickness.

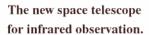
1 inch

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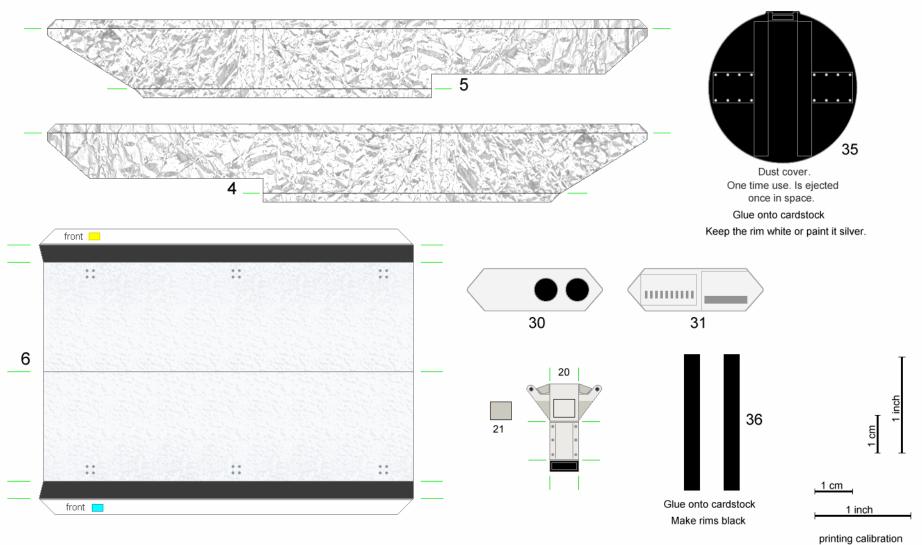




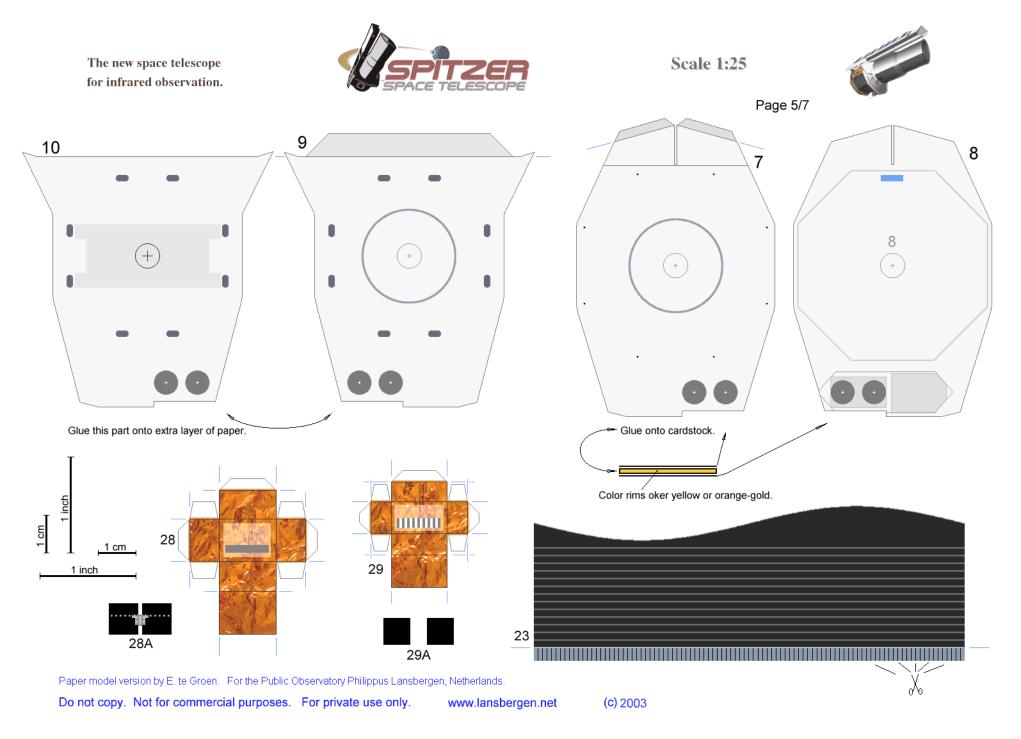
Scale 1:25



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Paper model version by E. te Groen. For the Public Observatory Philippus Lansbergen, Netherlands.



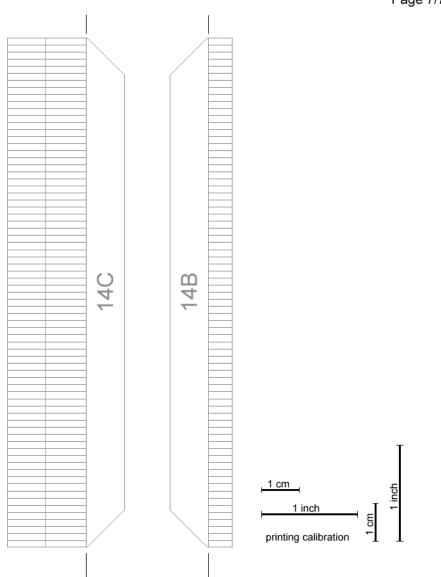


The new space telescope for infrared observation.



Scale 1:25

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What do you need to construct this model?

- * Sharp scissors
- * A sharp hobby knife
- * A ruler (steel or plastic)
- * A dull knife (or similar) to score the folding lines
- * Glue (waterbased or synthetic)
- * Permanent marker (black)

- * Color crayons
- * Several toothpicks or thin bamboo sticks.

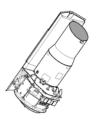
Also important :

* Patience and the ability to work accurately.

For those who want to add a little extra detail :

Self adhesive gold and silver foil (as thin as possible)
 Please refer to the pictures on internet for the correct placement of the foil.

2

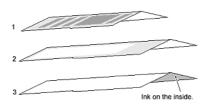


3

6

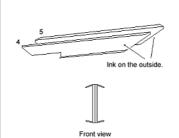
Read these instructions thouroughly and make sure you know what is to be expected. Familiarize yourself with the components and if you can, try to find pictures of SIRTF on internet or in books, to get a better impression of what this spacecraft looks like.

Note from the designer: This paper model is difficult enough as it is. Some parts and ways of construction have been left away or have been simplified. Therefor, some details may vary from details that can be seen in pictures from the real spacecraft.

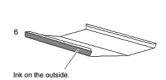


Cut and glue parts 1, 2 and 3.

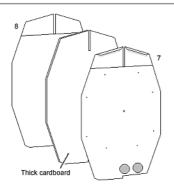
It is recommended to glue part 2 onto cardboard for extra rigidity. The rest of the model will be mounted to this construction.



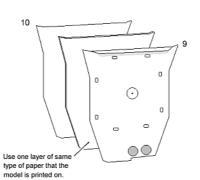
Glue parts 4 and 5 back to back, ink on the outside.



Cut part 6 and form it as shown.

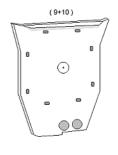


Assemble as shown. Take a thick piece of cardboard and make the entire assembly about 2 mm ... 2.5 mm thick

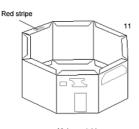


Same situation, but make this assembly about 1 mm 1.3 mm thick.

8



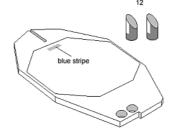
This one will be difficult: making the holes. This is the point where you have to decide if you want to use the struts or not. If you don't, then use parts A and B and do not make the holes.



Make part 11.

Be careful when scoring the folds.

Make them sharp, but don't cut the paper.



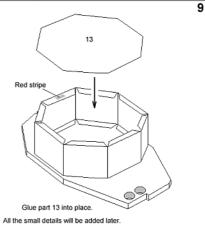
First, make the star trackers (12).

Now, drill the holes until they are big enough for the star tracker to pass through easily.

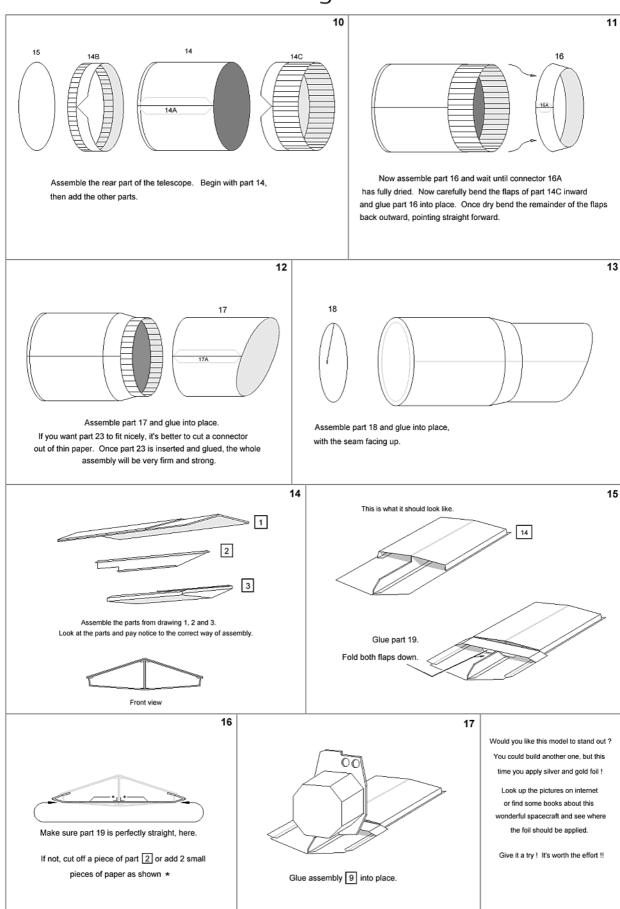
Cut the holes with a sharp, pointed knife. Then use

Cut the holes with a sharp, pointed knife. Then use course waterproof sanding paper # 80. Use finer paper to make nice round holes and smooth edges.

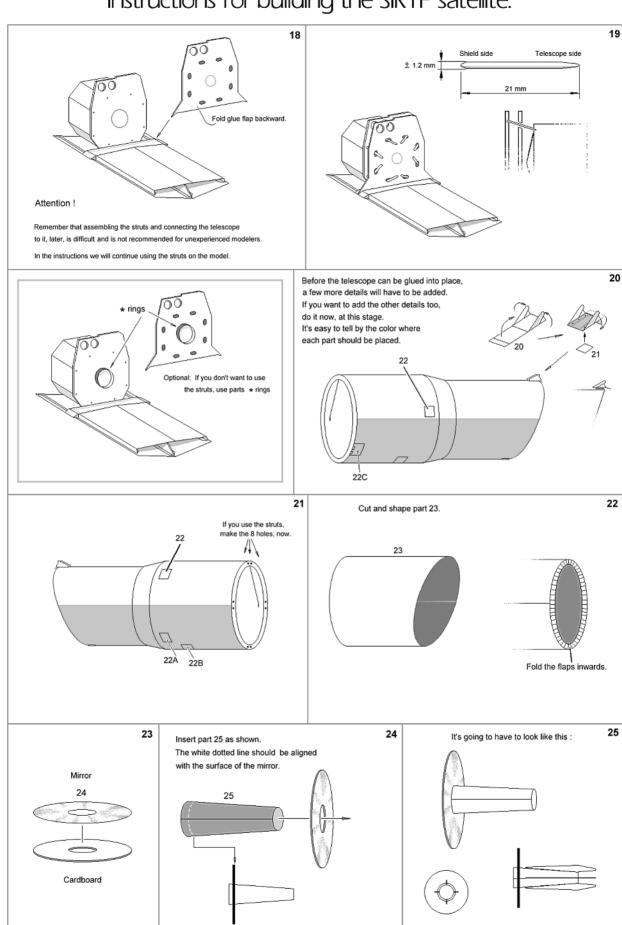
! Do not glue the star trackers yet ! We'll do that later.



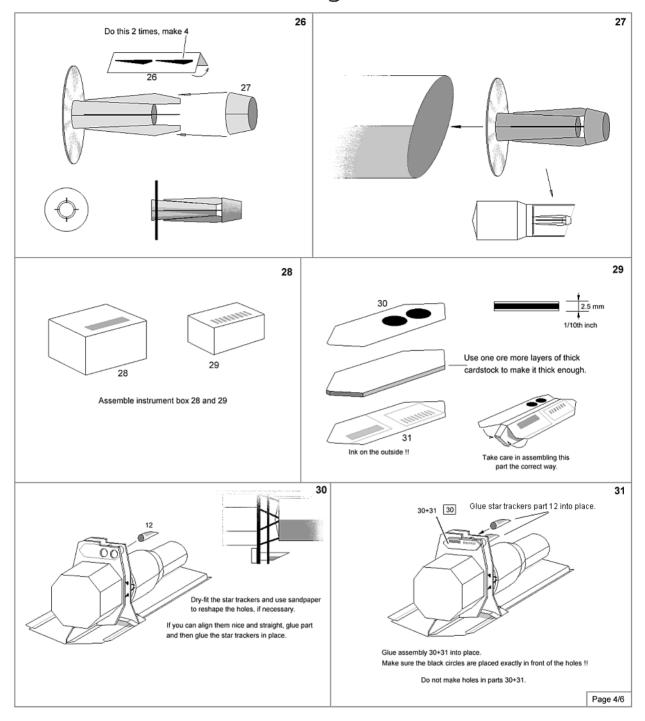
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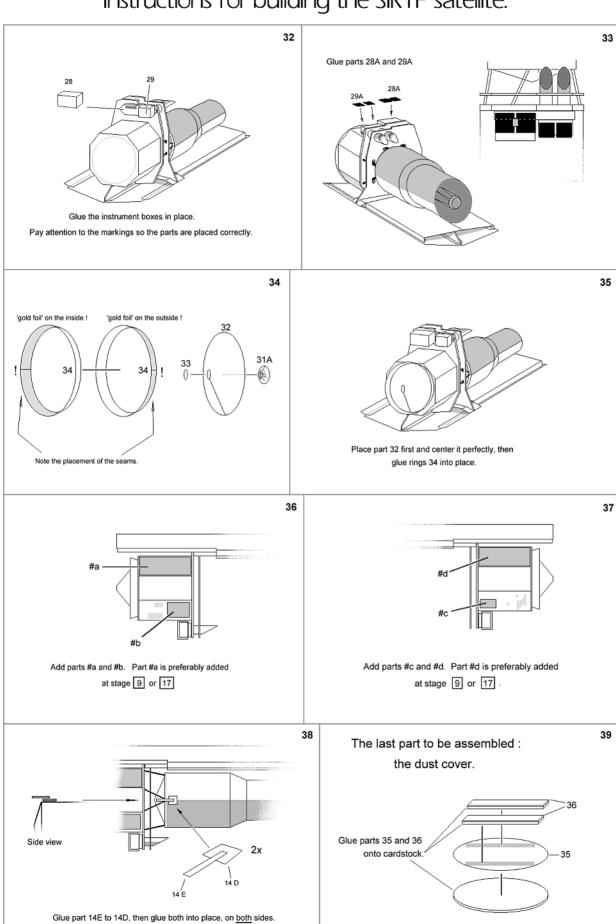


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