



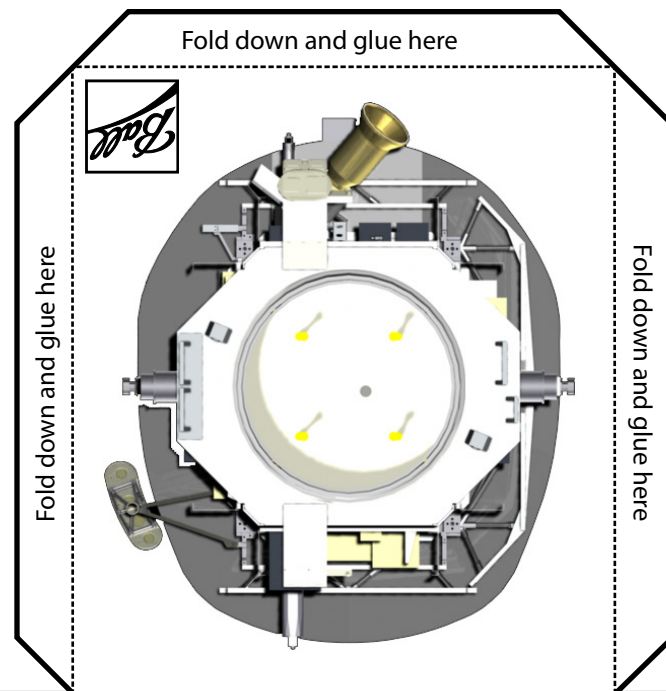
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# CloudSat

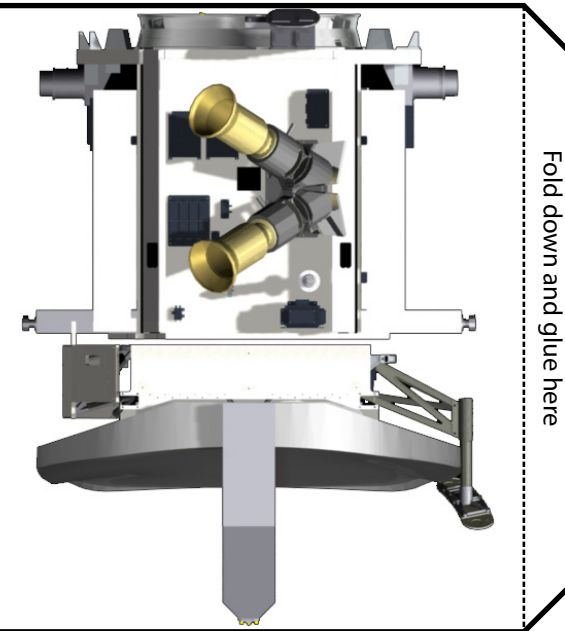
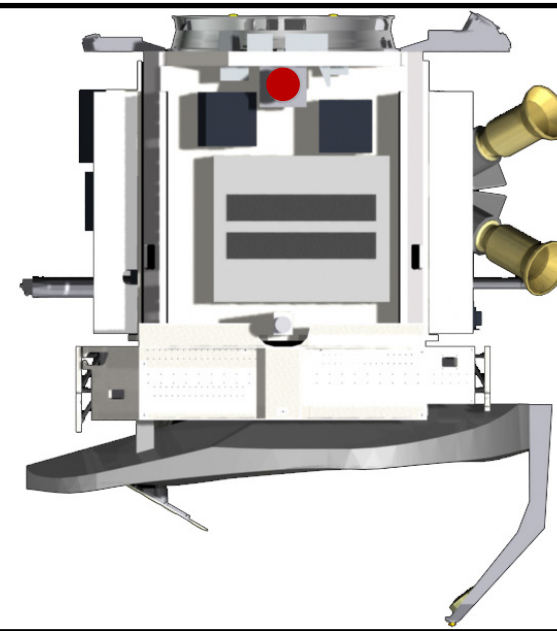
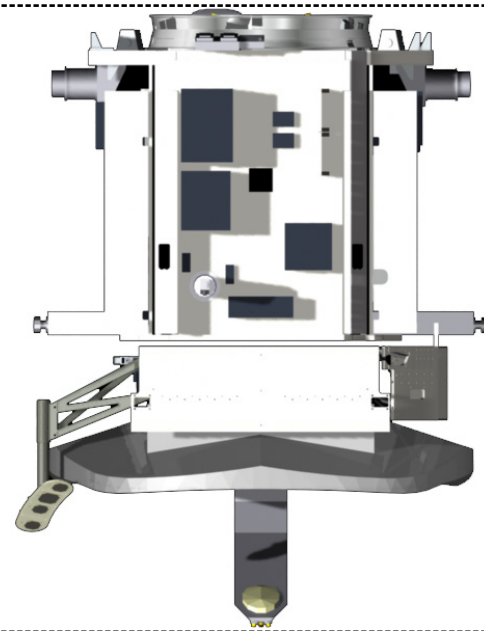
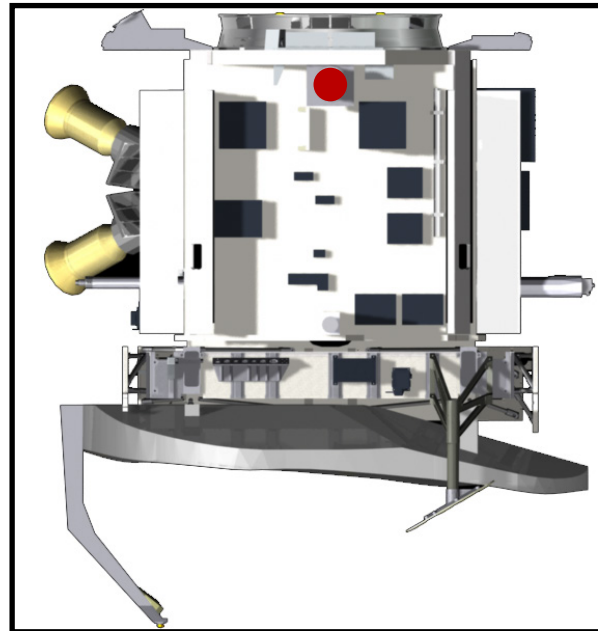
Scan the sky, and you'll likely see clouds. Those white, fluffy things do more than just look pretty – they warm and cool Earth and bring us rain and snow.

When scientists have better measurements of clouds, they are better at predicting our weather. Ball Aerospace engineers designed and built a satellite called CloudSat that is helping weather scientists. CloudSat was launched into space in 2006, and it's still orbiting Earth and gathering cloud information.

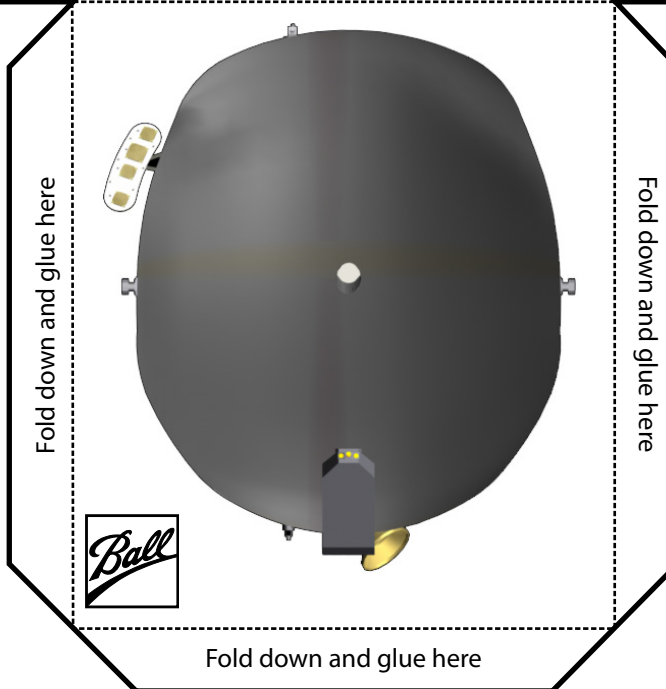
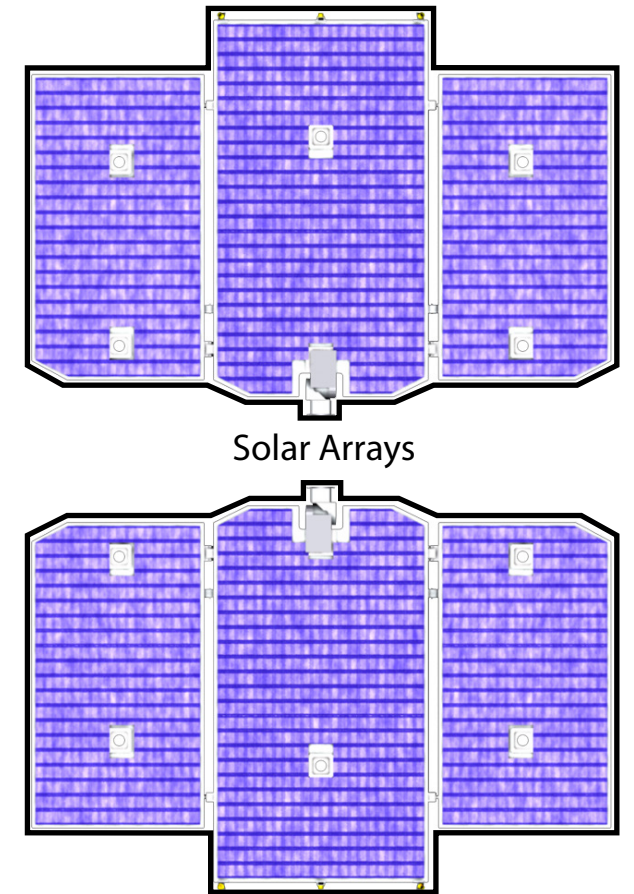
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[www.nasa.gov/cloudsat](http://www.nasa.gov/cloudsat)  
<http://cloudsat.atmos.colostate.edu>



Panel A



Panel B



CloudSat in orbit around Earth

## Materials

- Ball-point pen or large sewing needle
- Ruler
- Scissors
- Single-hole punch
- White glue, glue stick or clear tape
- New #2 pencil or pencil-sized dowel

## Build Your Own CloudSat Model (1/20 scale)

1. **Look** over the pattern to get an idea of what you will be doing. Notice there are dotted lines and solid lines.
2. **Score** all the dotted lines to make them easier to fold. To score, use a ball-point pen or sewing needle and ruler. Line up the ruler along a dotted line, and then firmly draw along the ruler.
3. **Cut** out the big pattern along the solid lines using scissors.
4. **Punch** a hole at the red circles in Panels A and B.
5. **Fold** down the flaps that say "fold down and glue here."
6. **Fold** the model along the dotted lines to create a cube.
7. **Glue or tape** the flaps from Step 5 to close the cube.
8. **Cut** out the solar arrays.
9. **Insert** a new #2 pencil or a pencil-sized dowel through the holes you made in Step 4.
10. **Glue or tape** the solar arrays to the pencil (see the CloudSat picture).