



SUOMI NPP

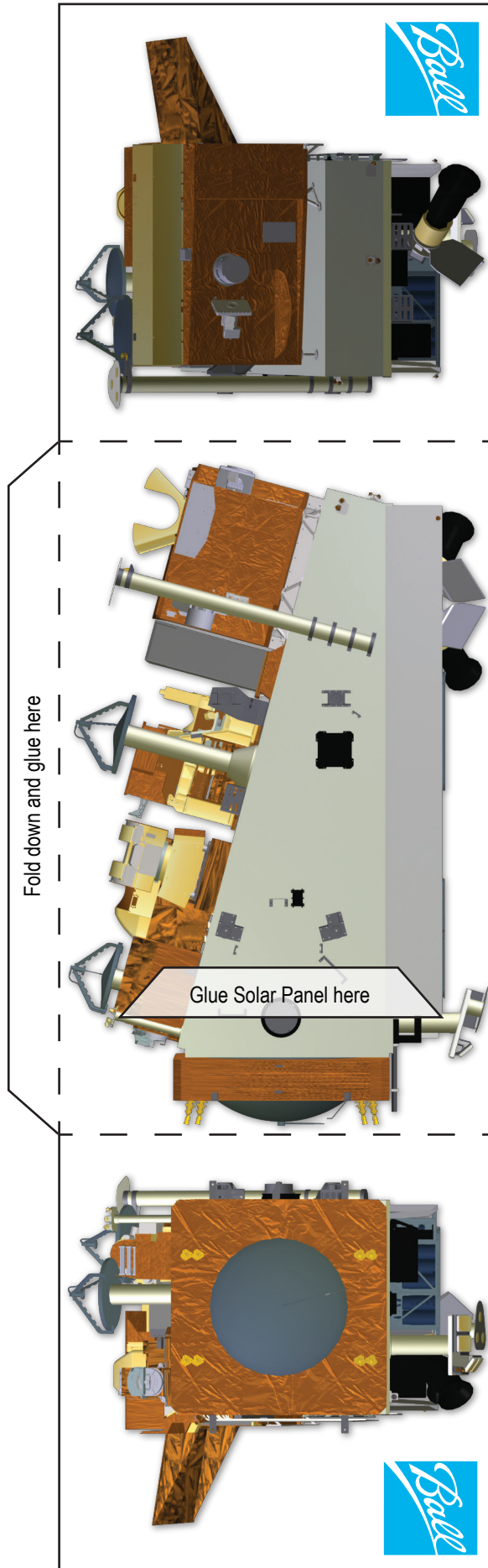
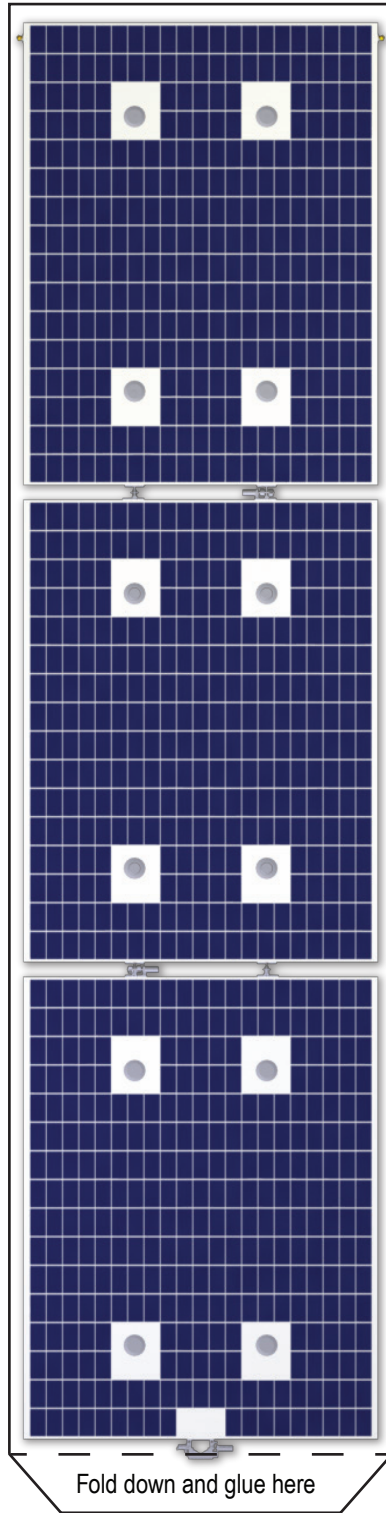
Hurricanes, tornadoes, heat waves, and severe snowfalls are happening more often than ever. We rely on spacecraft orbiting Earth to warn us of such weather. We also rely on spacecraft to measure climate features, such as the usual rainfall in a region.

Suomi NPP was the first in a new line of weather and climate spacecraft. Its five devices gather different kinds of data. Ball Aerospace built OMPS, the device that measures ozone in our atmosphere. Ball also built the bus, which is the main structure that carries and powers the devices.

For more information, visit www.nasa.gov/npp or www.ball.com/aerospace.

Solar Panel

Bus and Devices



Fold down and glue here

Fold down and glue here

Fold down and glue here

Fold down and glue here

Glue Solar Panel here

Fold down and glue here

Fold down and glue here

Fold down and glue here

Materials

- Ball-point pen or large sewing needle
- Ruler
- Scissors
- White glue, glue stick, or clear tape

Build Your Own Suomi NPP Model (1/40th scale)

1. **Look** over the pattern to get an idea of what you will be doing. Notice that there are dashed lines and solid lines.
2. **Score** all the dashed lines on both parts to make them easier to fold. To score, use a ruler and a ball-point pen or sewing needle. Line up the ruler along a dashed line, and then firmly draw back and forth along the ruler.
3. **Cut** out the bus along the solid lines using scissors.
4. **Fold** down the flaps on the bus that say "Fold down and glue here," but don't glue yet.
5. **Fold** down along the other dashed lines on the bus.
6. **Cut** out the solar panel and then fold the flap.
7. **Glue or tape** the bus' flaps to close it up.
8. **Glue or tape** the solar panel to the bus where marked.



Suomi NPP orbiting Earth

