

## **Bus and Devices**

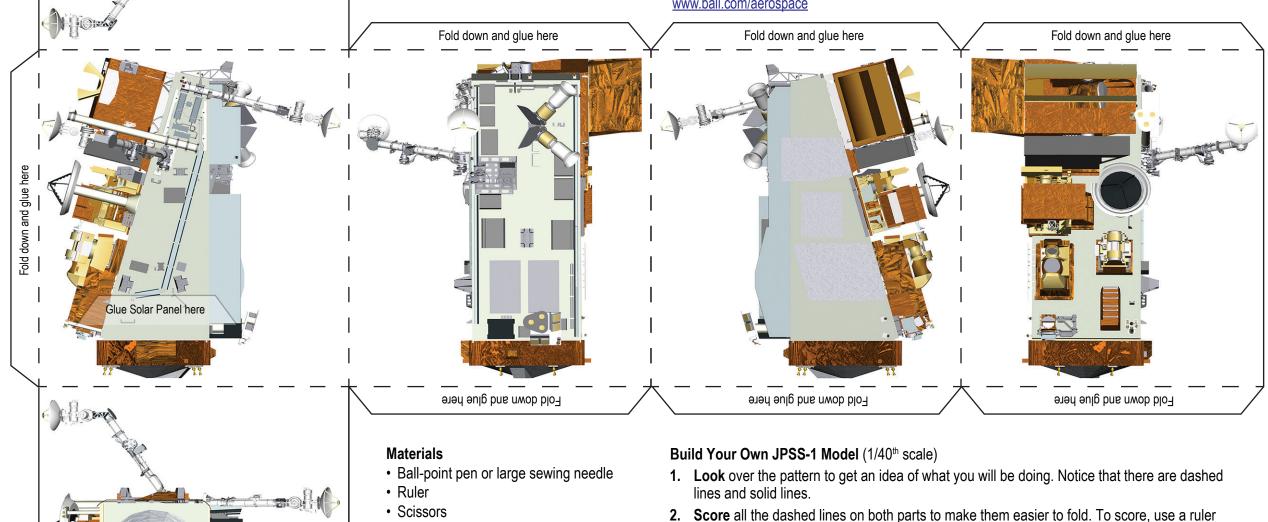
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Hurricanes, tornadoes, heat waves, and severe snowfalls happen more often than ever. We rely on spacecraft orbiting Earth to warn us of such weather. We also rely on spacecraft to measure climate features, such as the average rainfall in a region.

The JPSS-1 spacecraft carries five devices to forecast our weather and monitor our climate. Ball Aerospace designed and built OMPS, the device that measures ozone in our atmosphere. Ball also designed and built the bus, which is the main structure that carries and powers the devices. JPSS-1 was launched in 2017.

Learn more at: www.jpss.noaa.gov www.ball.com/aerospace



• White glue, glue stick, or clear tape

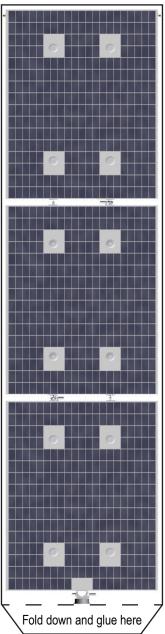
## GO BEYOND.®

- 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's flaps to close it up. If you're gluing, apply a very thin layer.
- 8. Glue or tape the solar panel to the bus where marked.

## Joint Polar Satellite System-1



Solar Panel



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