

Luhman 16B: Origami Balloon

Meet Luhman 16B!

Luhman 16B is one of a pair of brown dwarfs – objects more massive than planets, but less massive than stars – located only 6.5 light years from Earth. It is the nearest object outside the Solar system (and the first brown dwarf) to have its surface mapped out. This map probably shows patchy clouds made of rock or iron!

For more information, see <http://www.mpia.de/bd2014/> and <http://www.eso.org/public/news/eso1404/>

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Instructions:

- Cut out the big square (outermost black lines).
- Fold along both long diagonals (solid orange line, colored side out); then unfold.
- Fold the two more-colored sides inward, showing a white triangle with colored tip, narrow rectangle, and 2 squares.
- Repeat 4 times:
 - Fold outer corner up to apex (on long-dashed line).
 - Fold new outermost corner in to center of paper (along dot-dashed line).
 - Fold white tip down to center (along dotted line).
 - Tuck small white triangle into nearby pocket.
- Blow into the opening @ bottom to inflate. You're done!

