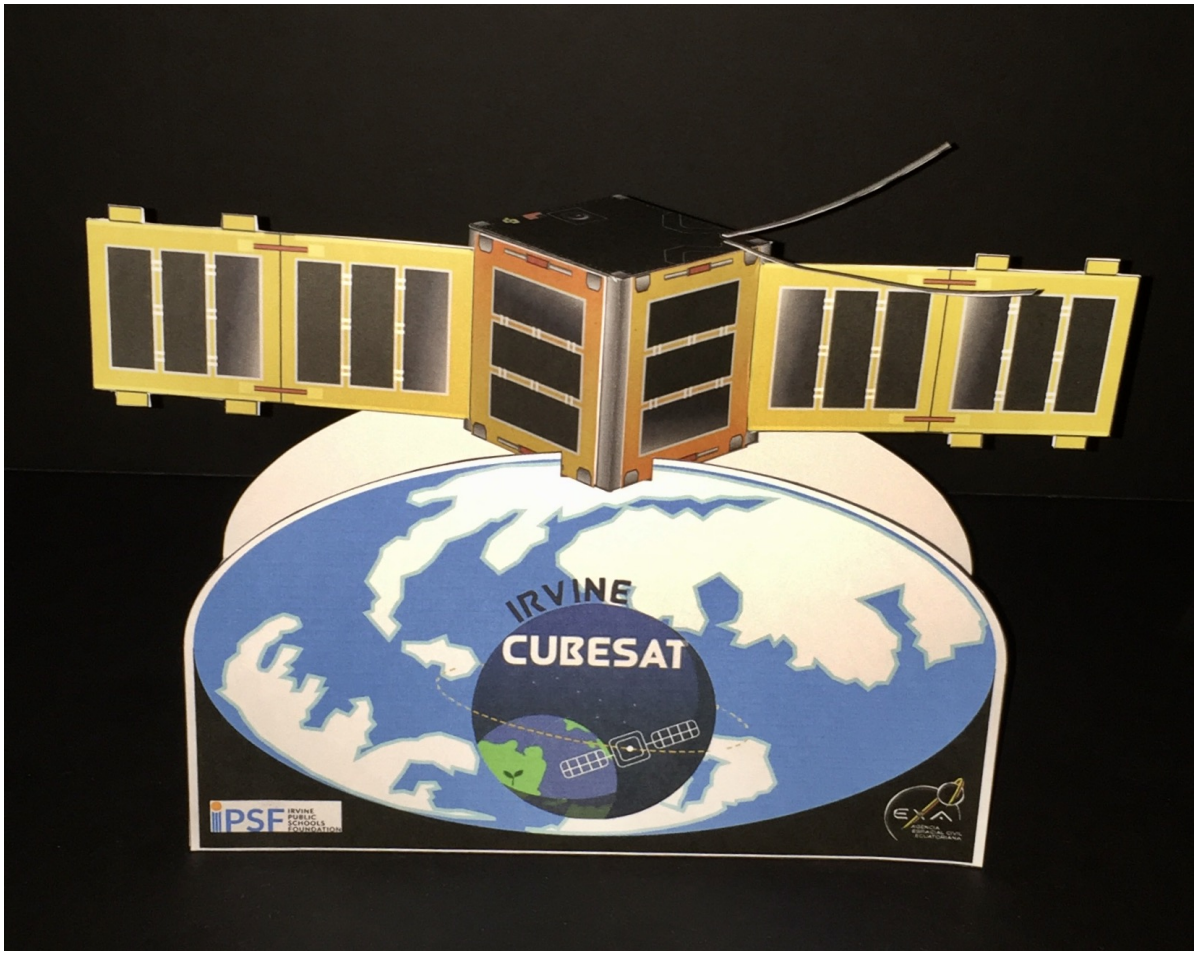
IRVINE 01 CubeSat
Instruction Manual



This manual covers the assembly steps to build the IRVINE 01 CubeSat.
The papermodel was designed by Alfonso X Moreno from AXM Paper Space Scale Models in a joint project with EXA, the Ecuadorian Space Agency.

The IRVINE CubeSat Program is a revolutionary STEM initiative based in Irvine, California. With over 100 members from six public high schools, the program will launch a solar powered 1U CubeSat in the summer of 2017.

The Ecuadorian Space Agency has provided parts and consulting for the satellite. It provided the NEE-02 KRYSAOR - class solar deployable arrays DSA-1, the NEE-01 PEGASO -class battery banks BAO1/S, the NEMEA anti radiation and thermal shields, deployable antenna, titanium structure components and magnetorquers for attitude control.

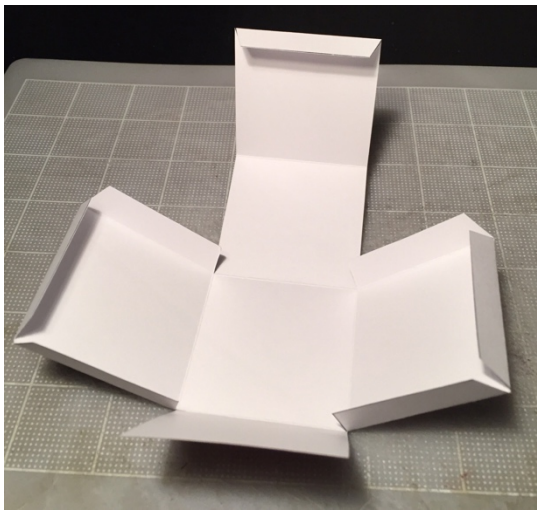
The IRVINE 01 CubeSat papermodel is a 1: 0.5 scale, half of the real size cube satellite. This model has been designed for Elementary and Middle school level.

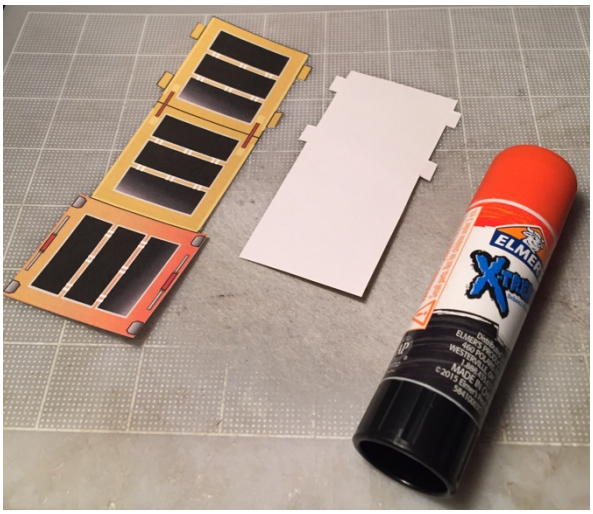
The artwork of the model is based on diagrams and photos of the real IRVINE-01 CubeSat provided by EXA's Cdr. Ronnie Nader - EXA Cosmonaut, Space Operations Director of EXA and Mr. Roberto Falconi Vasquez - Director of Education from EXA.

www.irvinecubesat.org

www.exa.ec

www.axmpaperspacescalemodels.com

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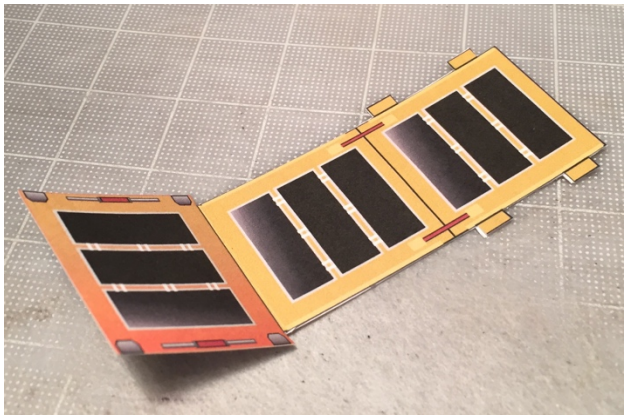
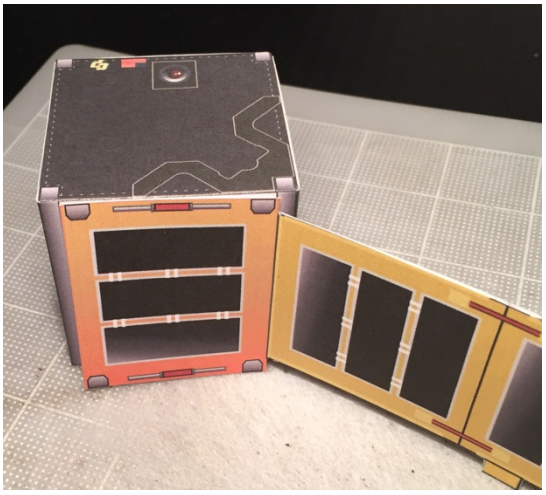
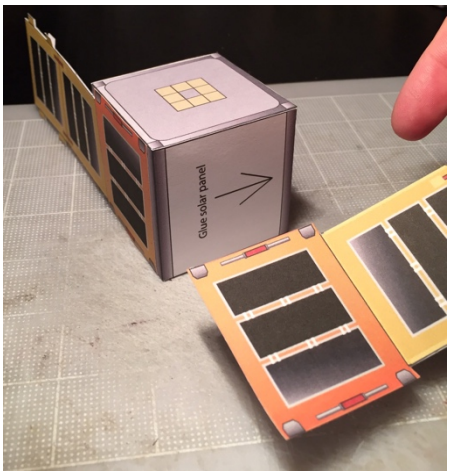



Glue solar panel

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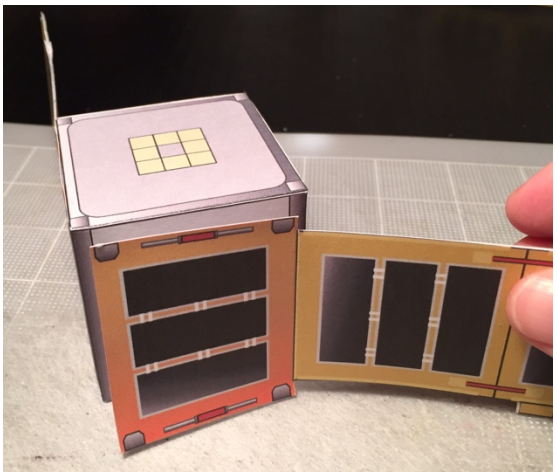
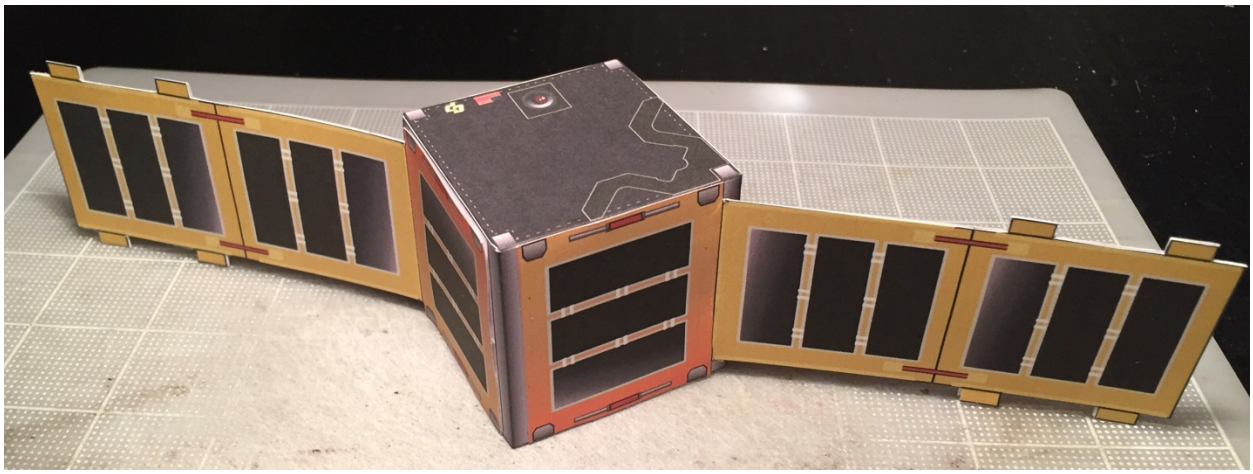
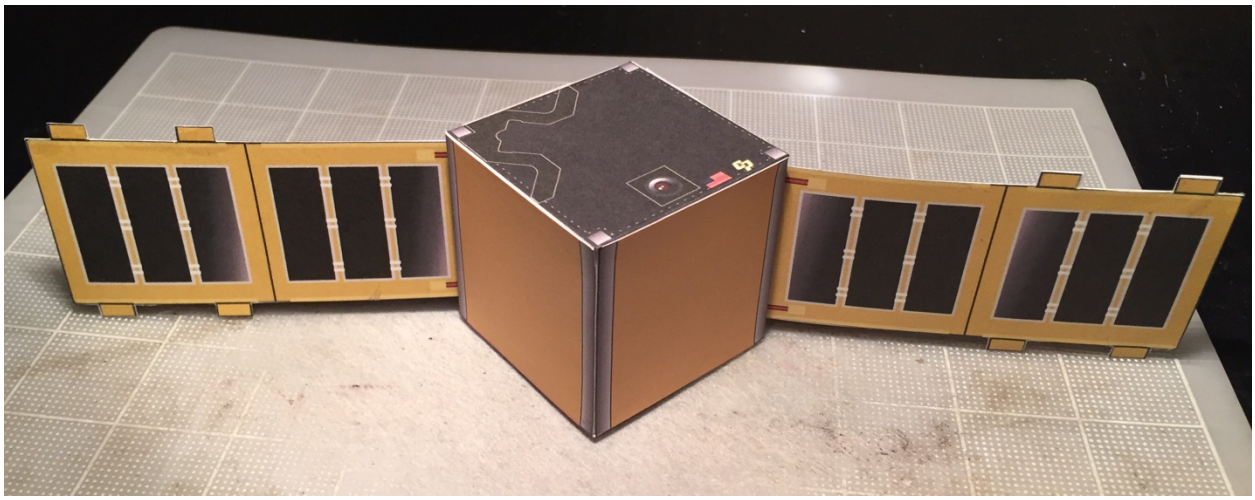
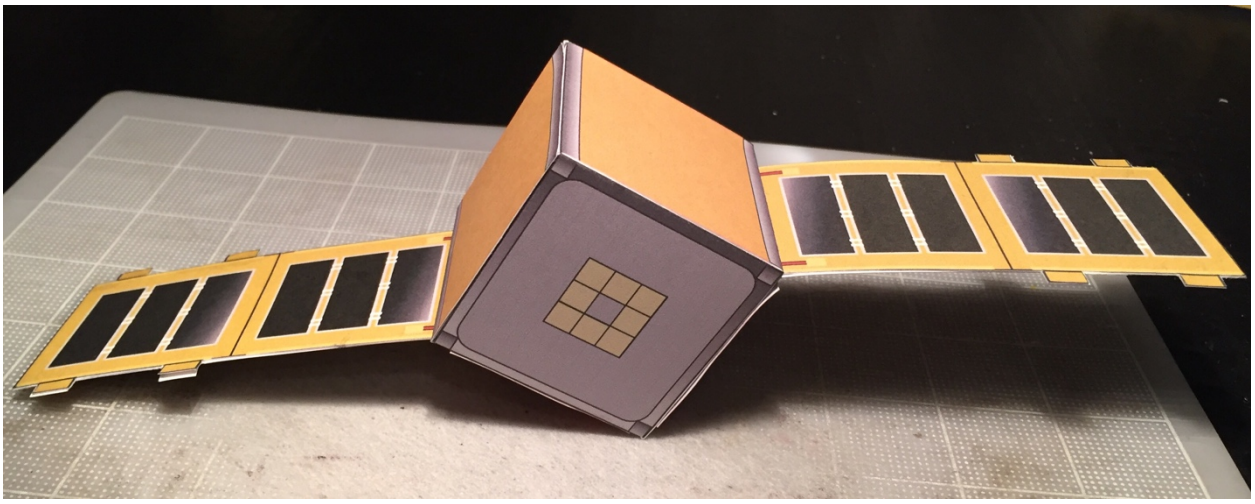
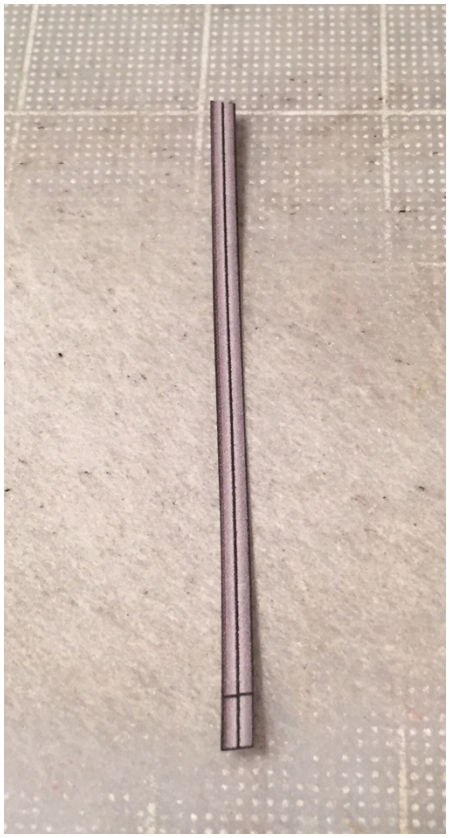
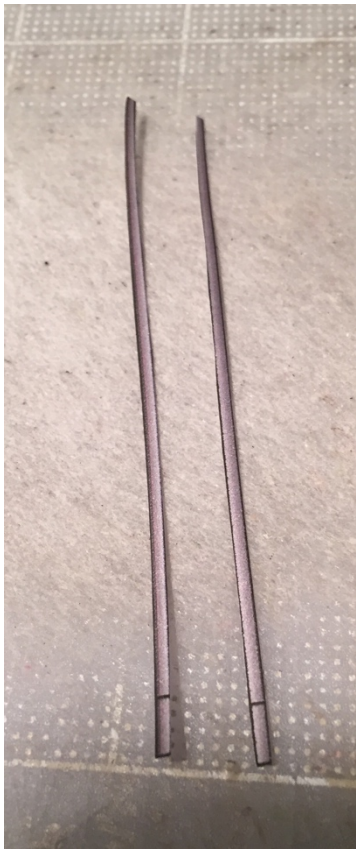


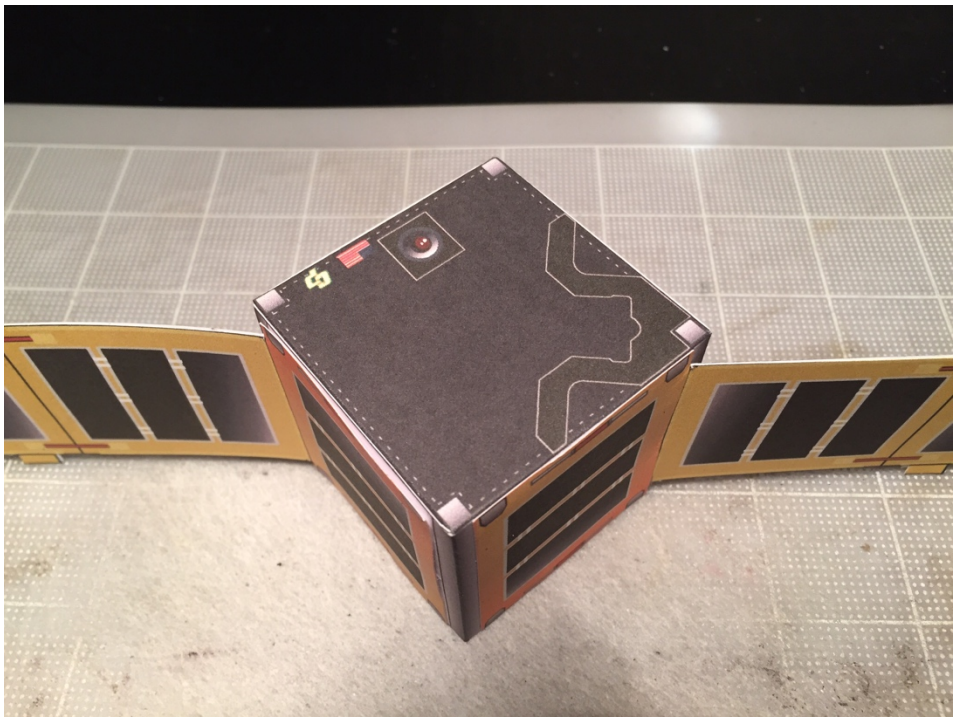


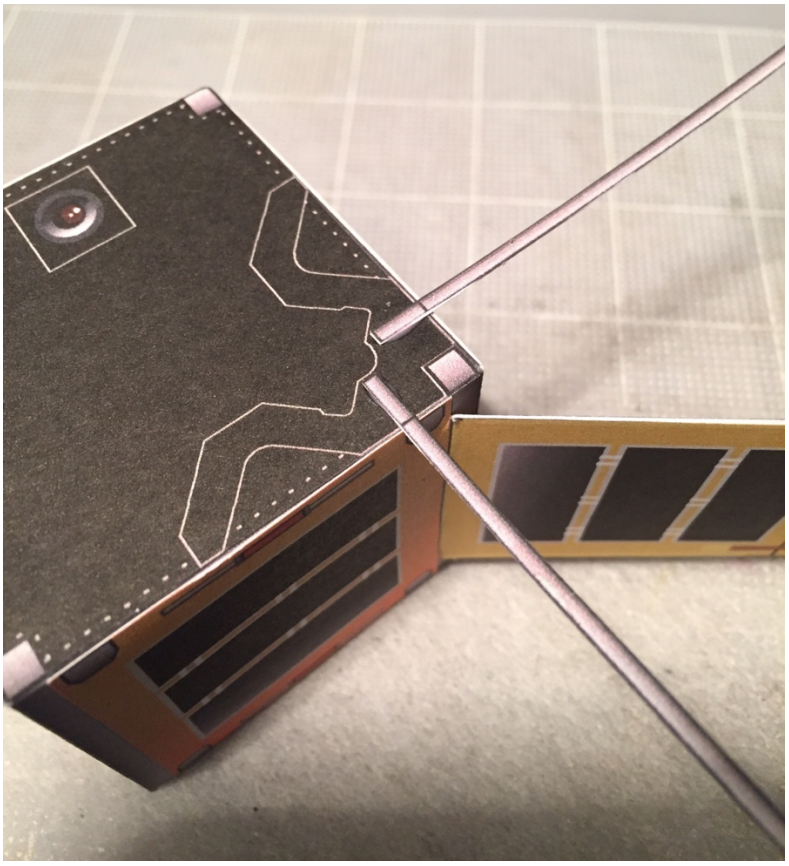




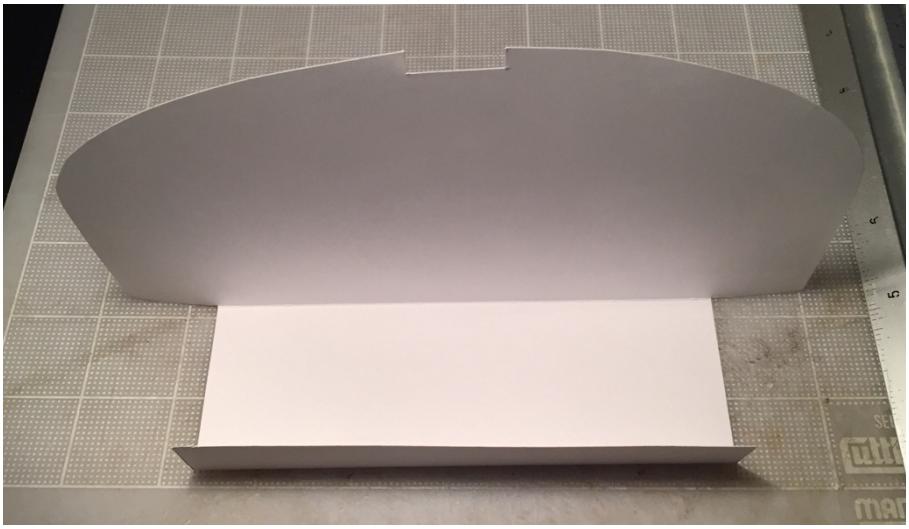


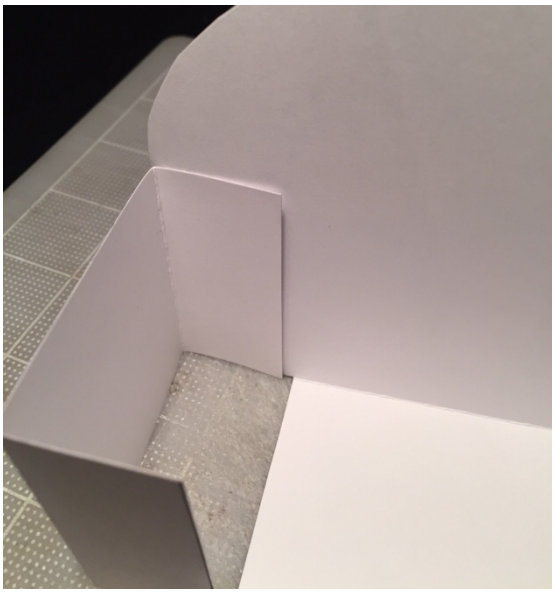


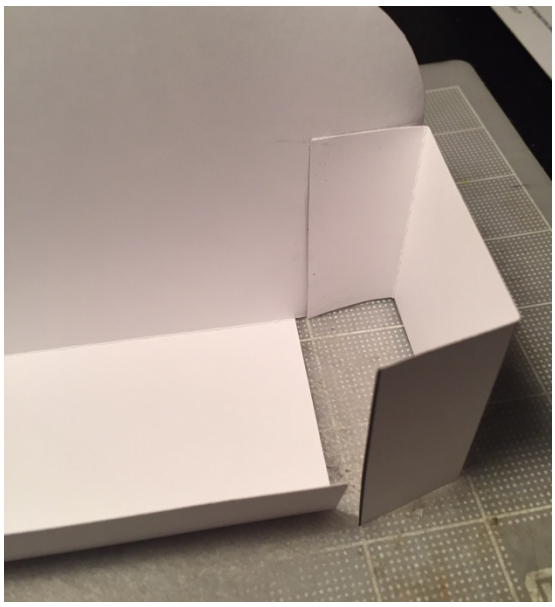


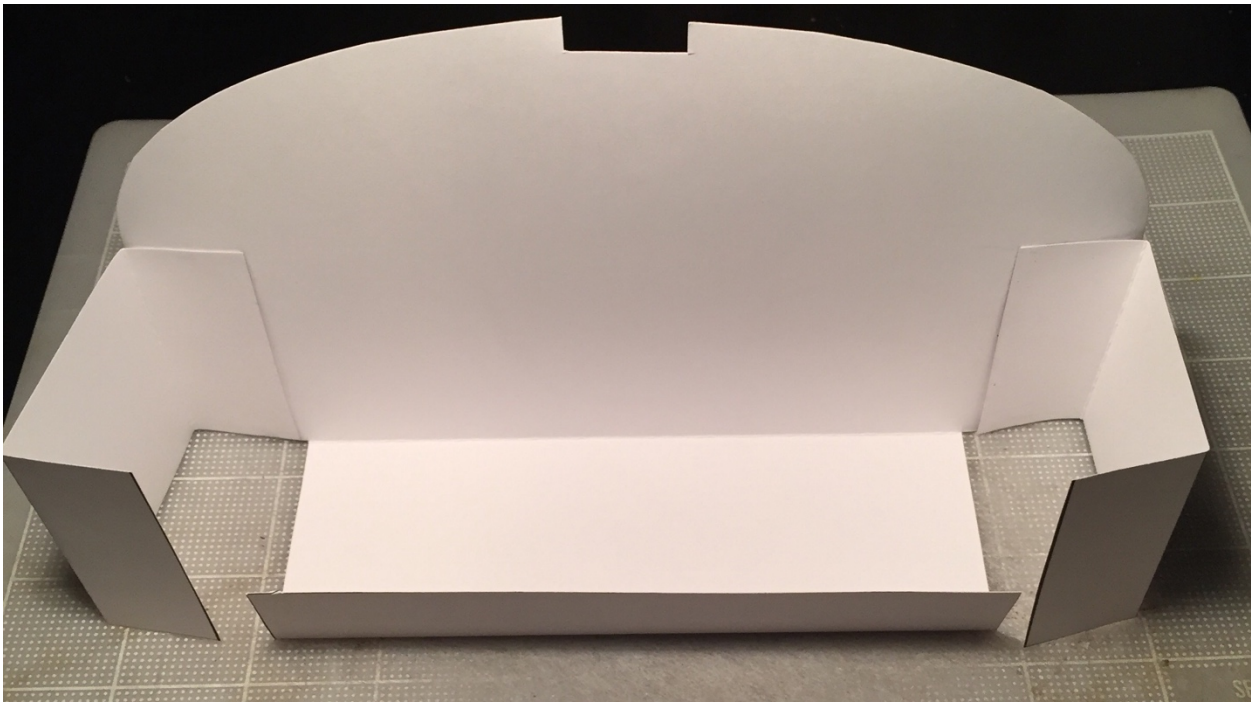


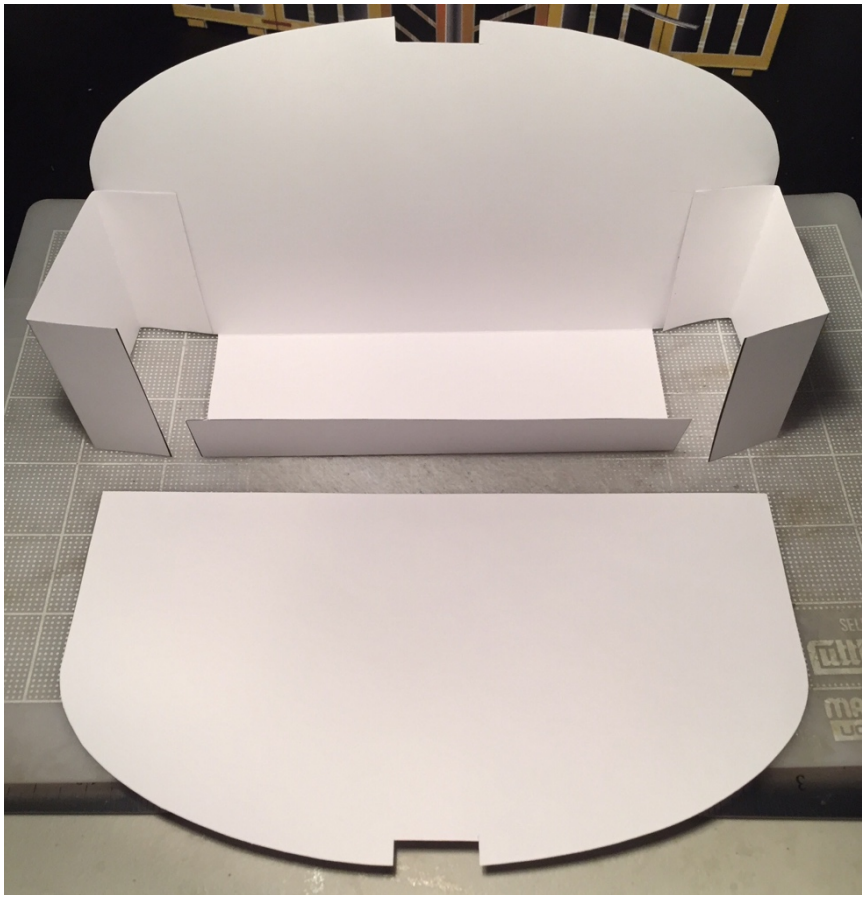
Display assembly

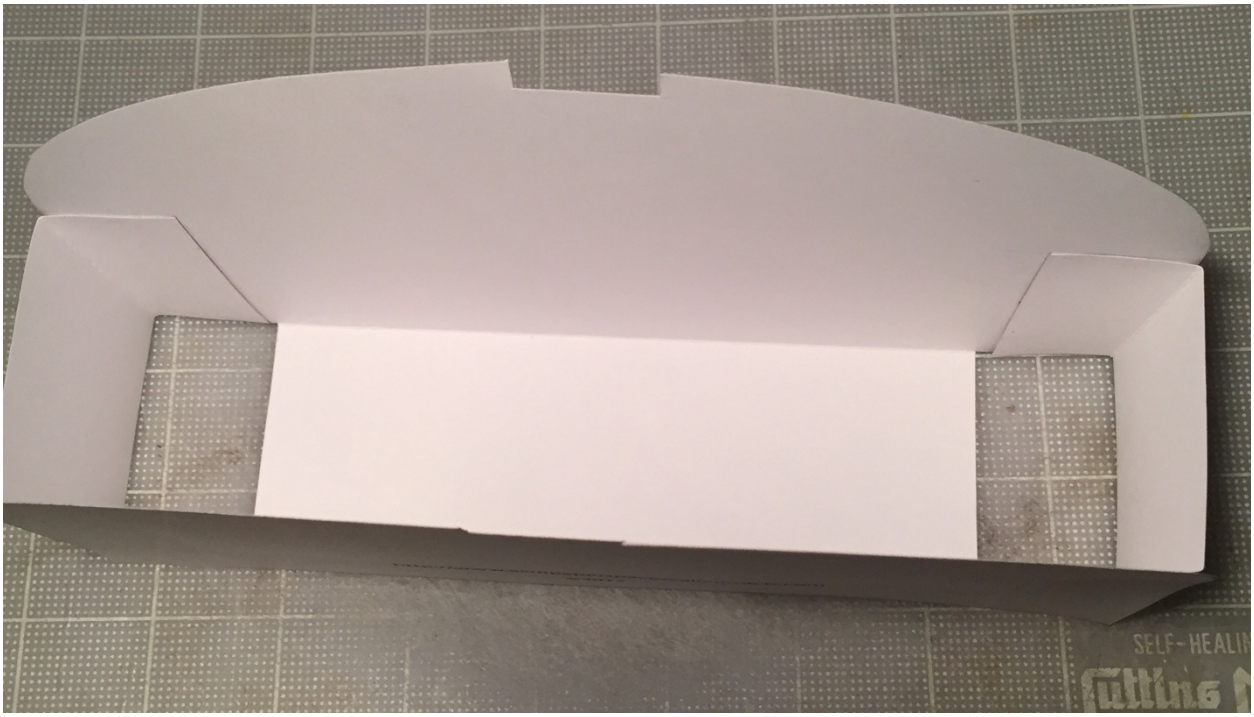


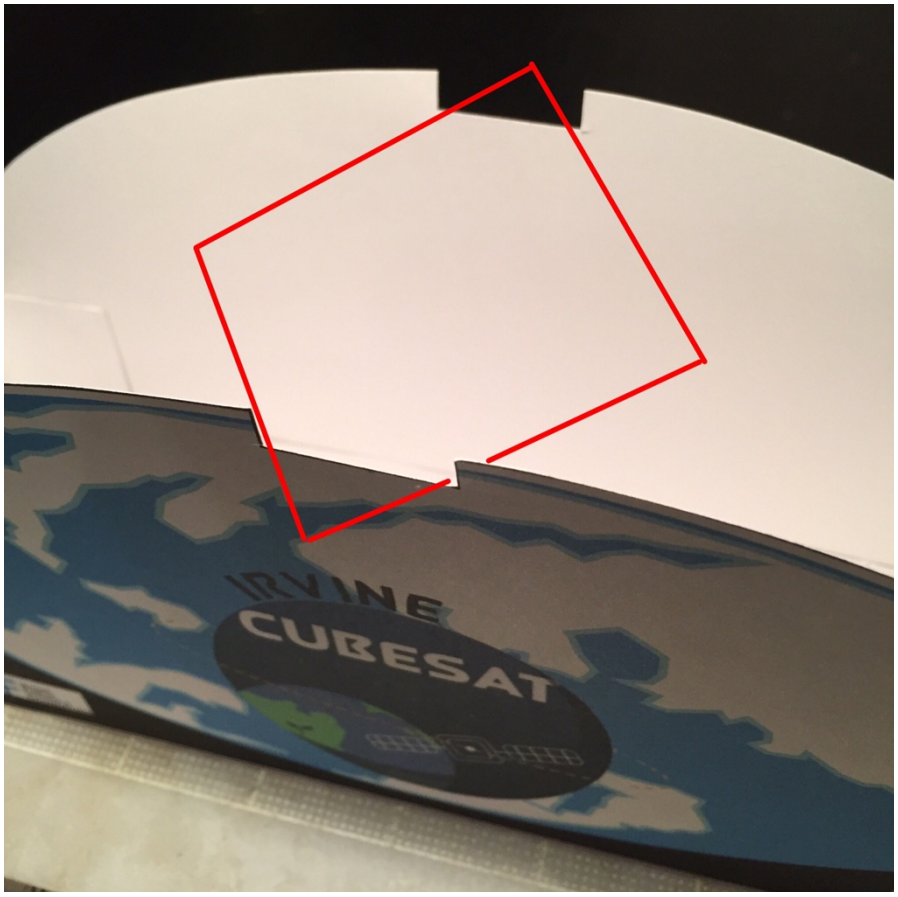








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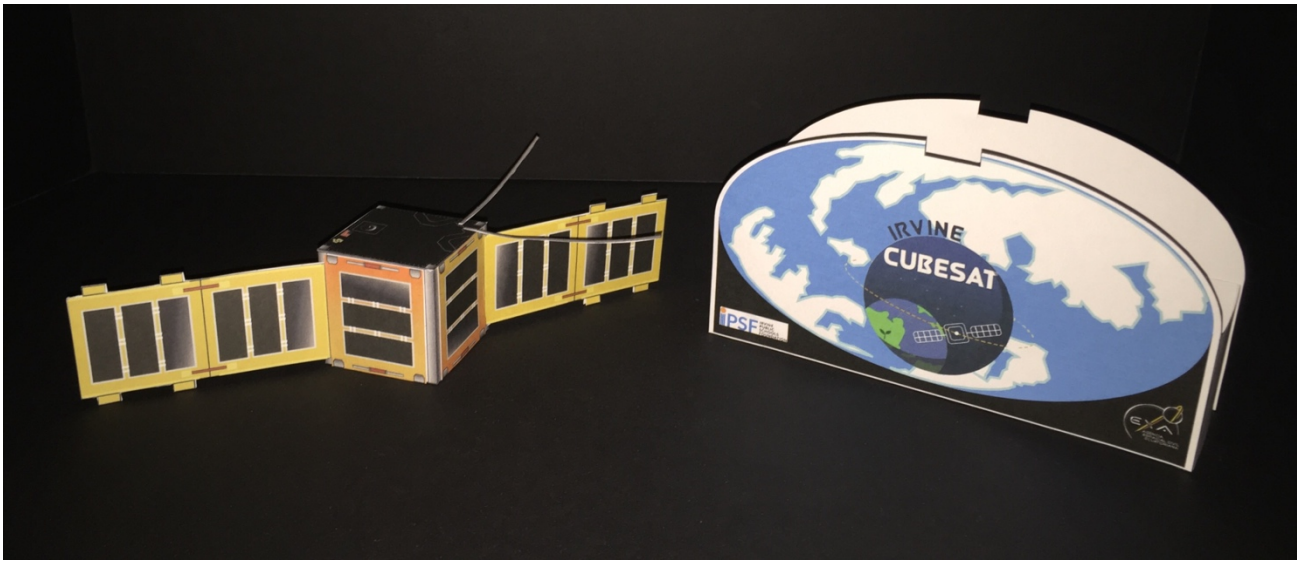
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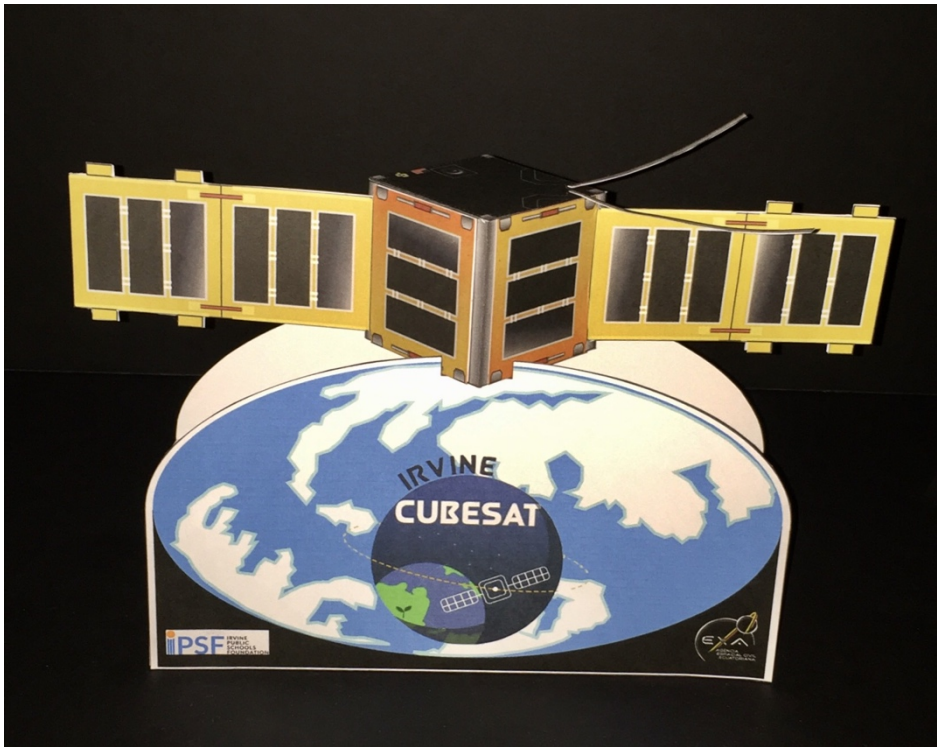
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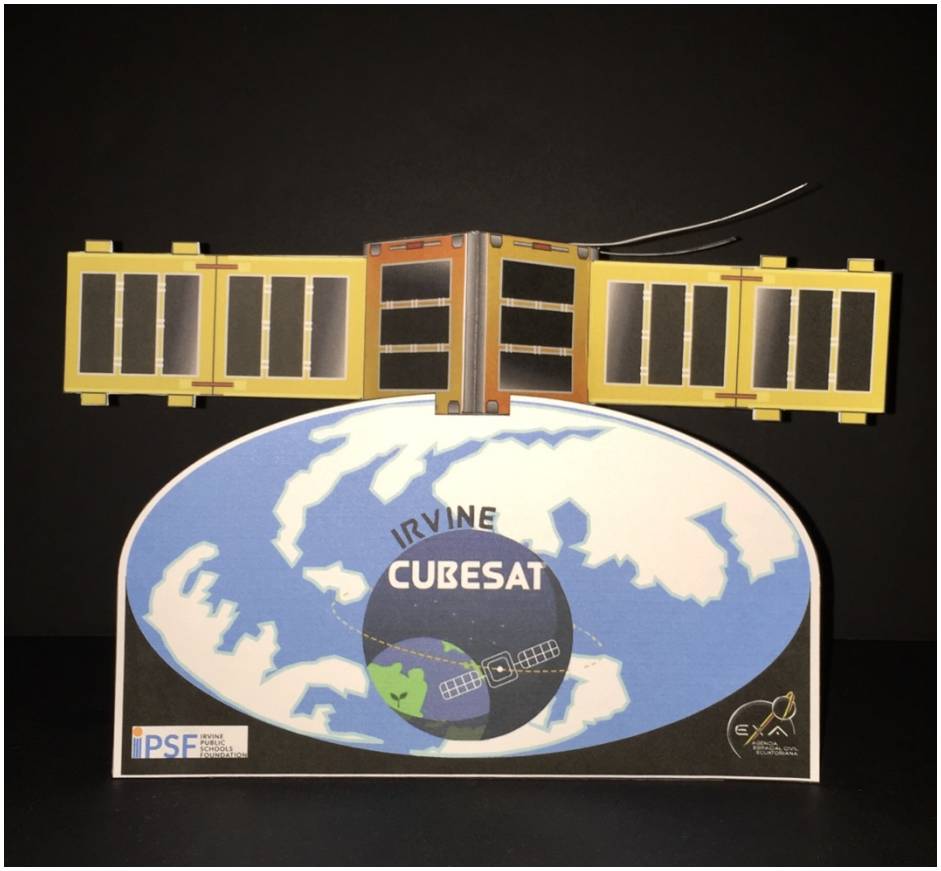
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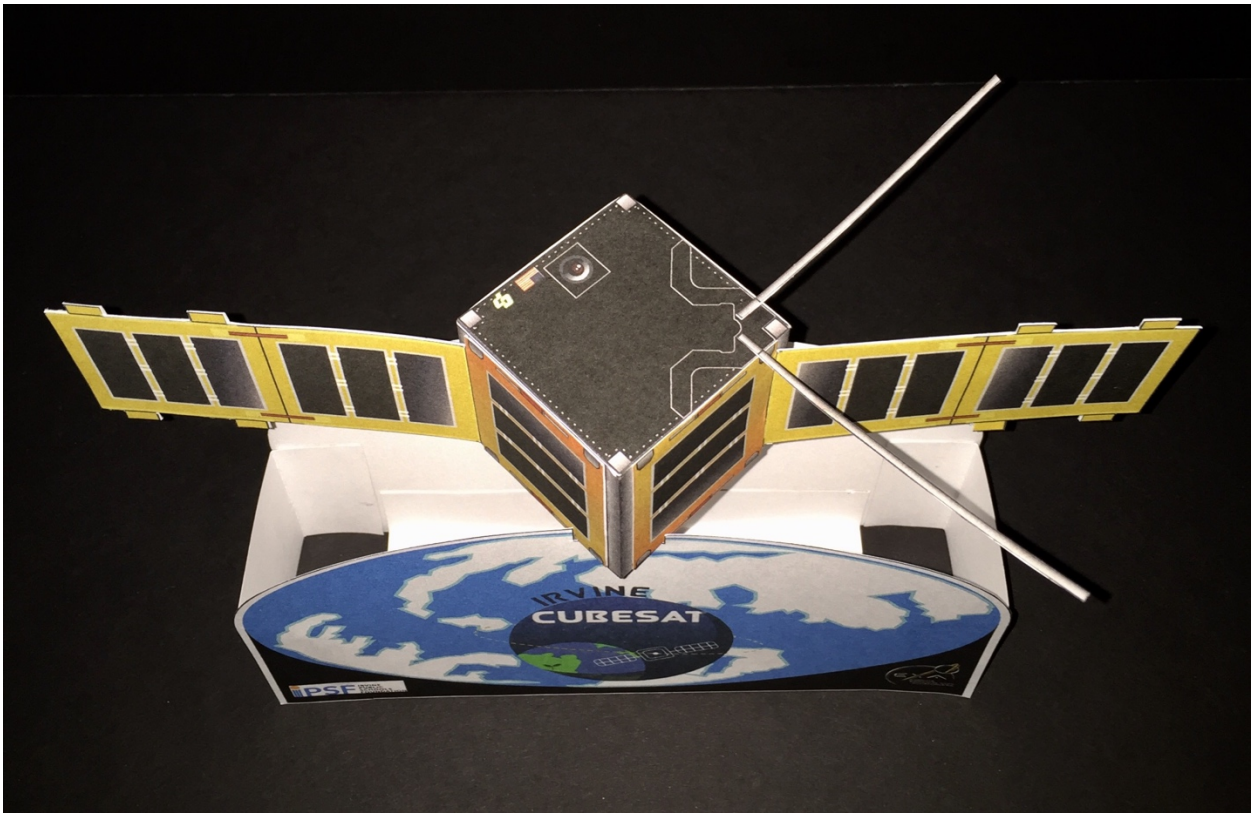
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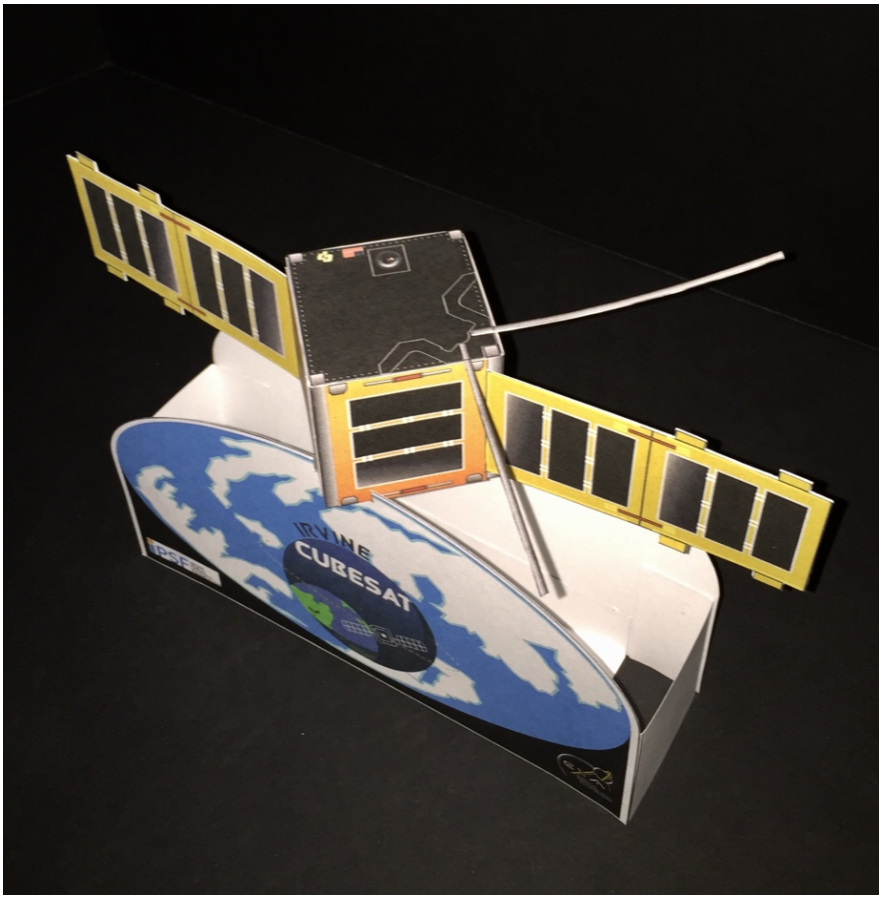
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