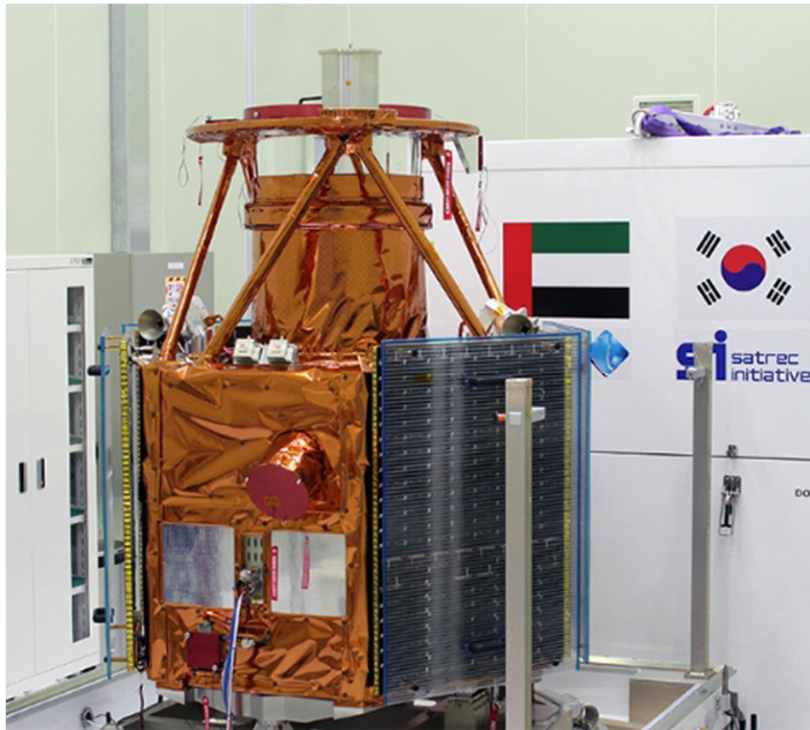


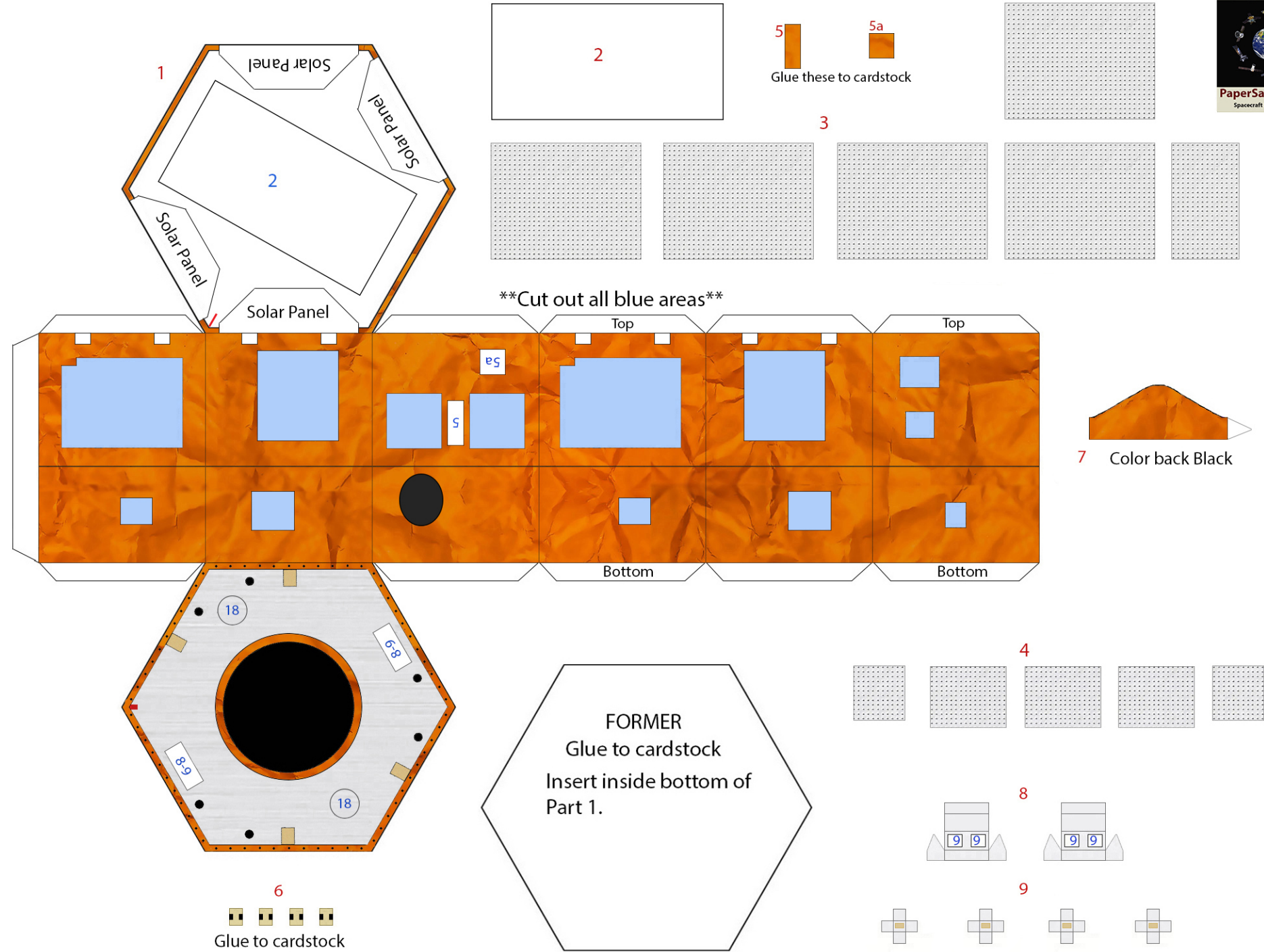
DubaiSat-2



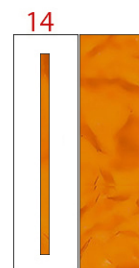
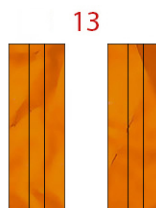
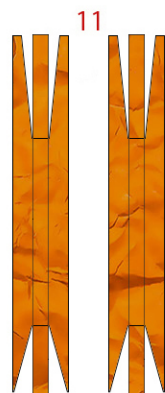
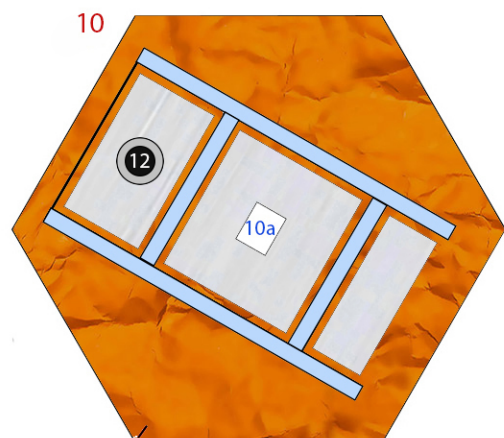
DubaiSat-2 is an electro-optical Earth observation satellite built by the Emirates Institution for Advanced Science and Technology under an agreement with Satrec Initiative, a satellite manufacturing company in South Korea. EIAST's objective with DubaiSat-2 is to provide electro-optical images, that can be commercialized, for users within the United Arab Emirates and beyond and to develop and implement new technologies not used in DubaiSat-1. EIAST also intends to continue manpower training for the UAE's space program. 16 UAE engineers have been working on the design, development, testing and manufacturing of the satellite. The participation of the UAE engineers, who are currently working in South Korea, has increased by 100 per cent from the DubaiSat-1 project.

DubaiSat-2 was successfully launched by a Dnepr rocket operated by Kosmotras of the Russian Federation. It has been placed into a polar Sun Synchronous Orbit at an altitude of 600 km and local UAE time of descending node of 10:30 am. Initially set for the last quarter of 2012, the launch took place on November 21, 2013. Thirty one other satellites were deployed by the rocket, with an additional payload remaining attached to the upper stage. The revisit time for a ground location will be 8 days maximum.

In 2018, DubaiSat-2 and its predecessor, DubaiSat-1, was joined and will work together with UAE's third satellite, KhalifaSat.



DubaiSat-2



Fold-glue
back-to-back

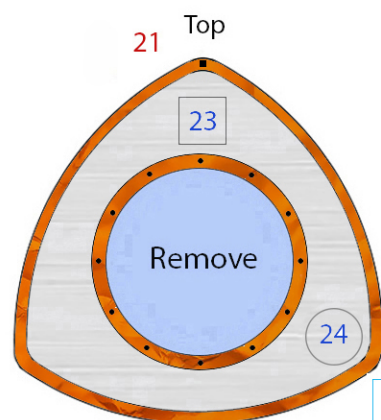
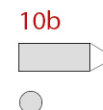


Glue this disk to
cardstock

Need plastic broom
straw cut at 5mm long,
colored grey.



Glue to
cardstock



Glue to cardstock, remove
light blue area.

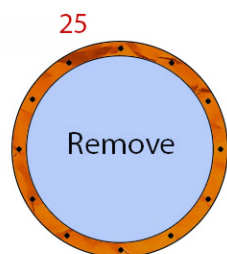
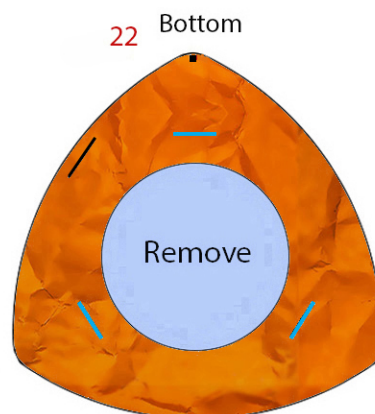


Glue to two layers
of cardstock
Color edges Black

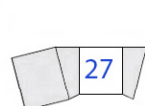


Glue to two layers
of cardstock

Need plastic broom
straw cut at 5mm long,
colored grey.



Glue to cardstock
Color edges dark orange



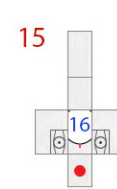
26



27

Glue these to cardstock

RIGHT



16
Glue
back-to-back



Color back the
same color

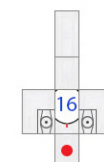


18



15

LEFT



Glue
back-to-back



Color back the
same color

DubaiSat-2

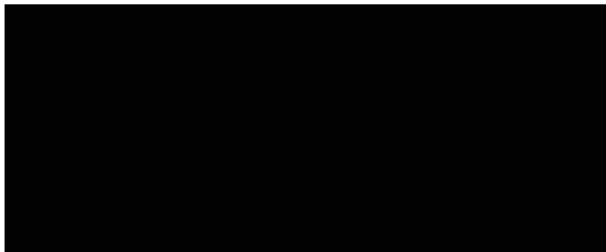
28



29



30



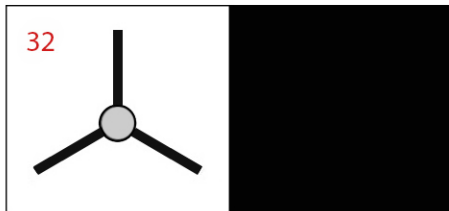
Roll with color INSIDE

31



Roll with color INSIDE

32



Fold-glue in half, back-to-back for strength and color on both sides.

Glue solar panel here

Glue solar panel here

Glue to Satellite

Glue to Satellite

33

Glue solar panel here

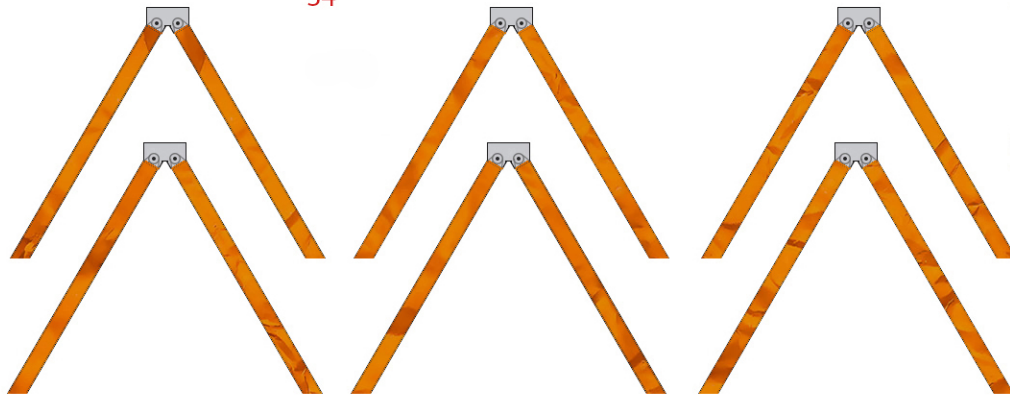
Glue solar panel here

Glue to Satellite

Glue to Satellite



34



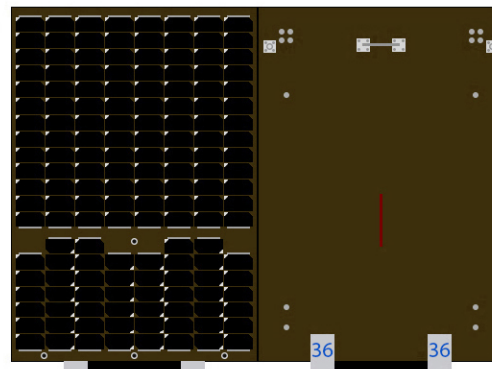
Glue each pair of struts back-to-back, should have 3 pair of struts.

For more realistic look, use round tooth pics, color them Dark Orange. Cut them to the entire length including to the top of the hinge.

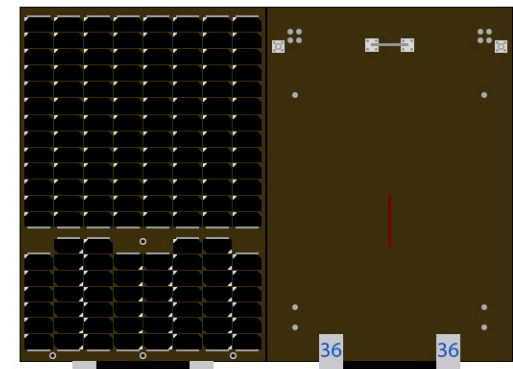
Glue top of the tooth pics to the hinges below, angle the legs using one of the struts as a glue pattern. Glue the other hinges to the back side.



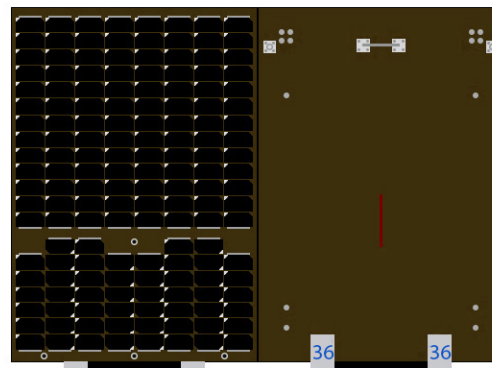
35



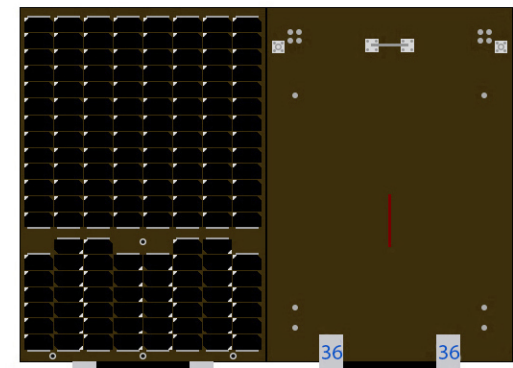
36



36

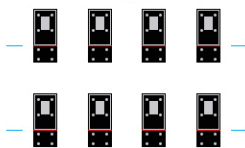


36



36

36



Hinges, score and valley fold at the blue lines.