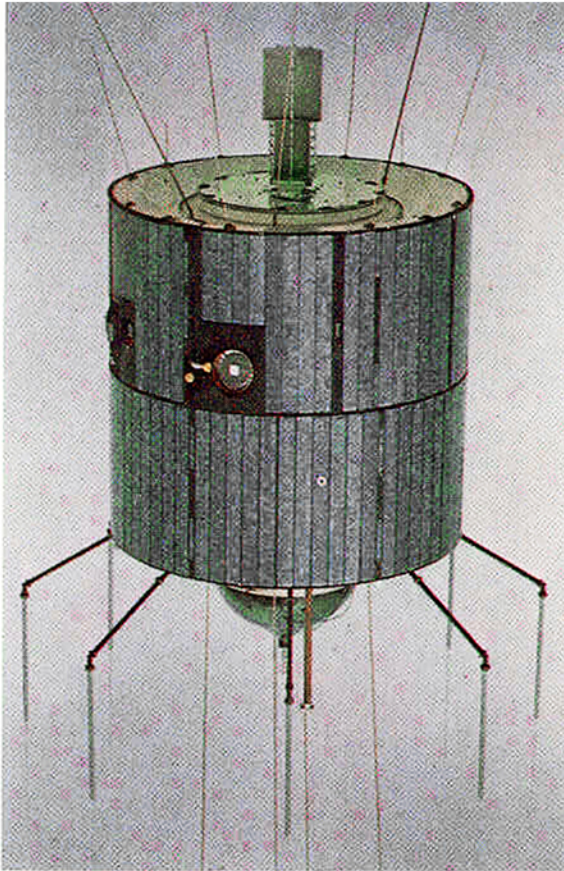


ATS-3 (Applications Technology Satellite)



On Nov. 10 1967 the Applications Technology Satellite 3, more commonly known as ATS-3, sent back NASA's first color images of the entire Earth from a geosynchronous orbit.

The spacecraft had a long life, operating for about 34 years before finally being taken out of service in 2001. the satellite was an experimental craft working to provide geostationary weather and communications from its vantage point in geosynchronous orbit some 21,156 miles (34,047 kilometers) above the Earth's surface.

The space agency was dubbed by NASA as being: "The oldest active communications satellite by a wide margin." It was used to provide data on key disasters including the Mount St. Helens eruption in 1980.

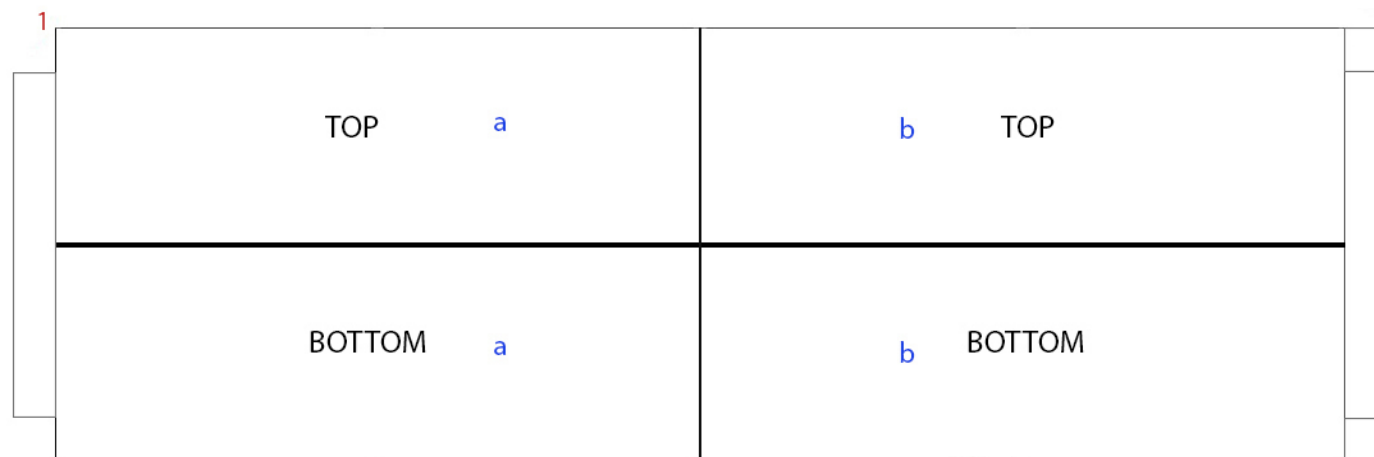
The spacecraft incorporated experiments which included the VHF and C-band communications as well as a color spin-scan camera, image dissector camera, a mechanically despun antenna and optical surface experiments.

Manufactured by Hughes, ATS-3 was launched a few days prior to its history-making images on Nov. 5, 1967 atop a Atlas-Agena booster from Cape Canaveral Air Force Station's Space Launch Complex 12. Most surprising, given the craft's longevity, ATS-3 only had a planned design life of three years.

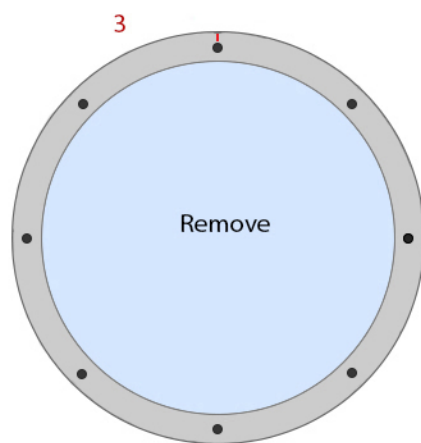


First color image of the entire Earth from a geosynchronous orbit., Nov 10, 1967.

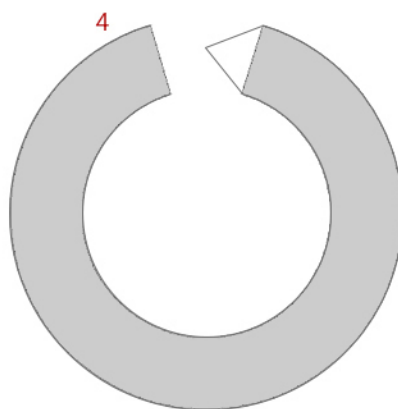
ATS-3 (Applications Technology Satellite)



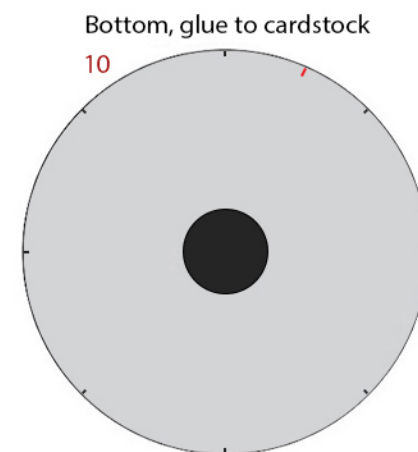
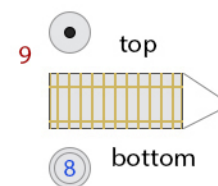
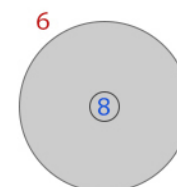
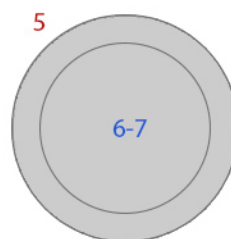
Glue inside bottom edge of the body



Poke small holes on the black dots.



Roll-glue to a shallow cone with color inside.



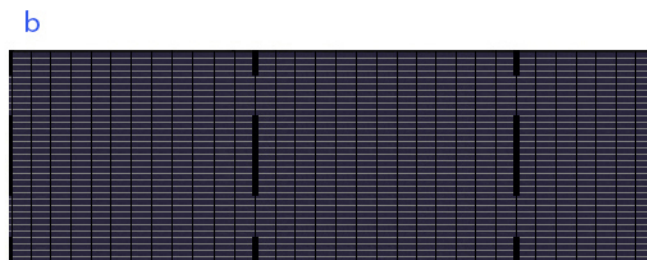
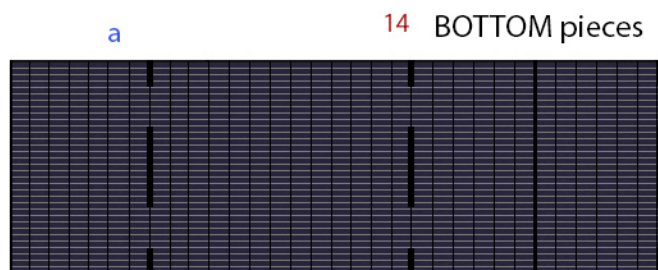
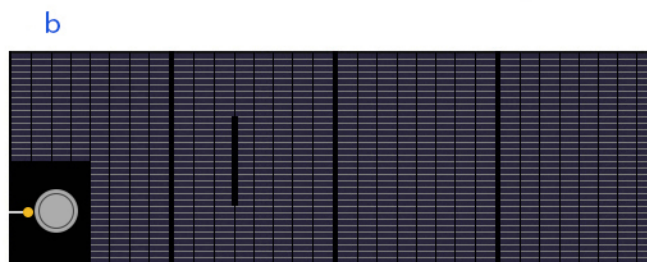
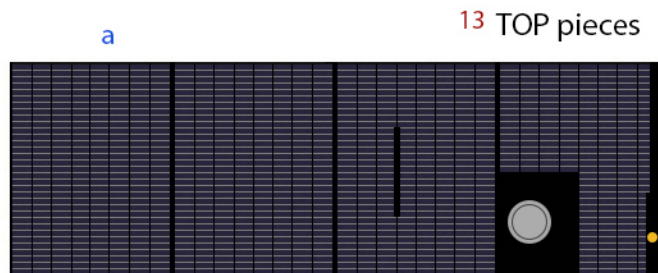
Bottom, glue to cardstock



Color back light grey

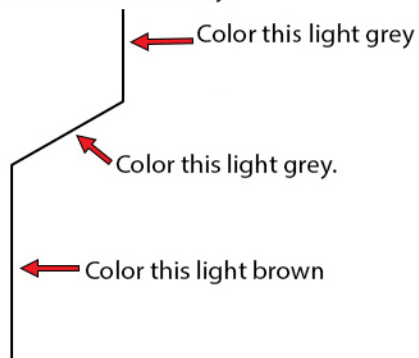
ATS-3 (Applications Technology Satellite)

Center line on the satellite's body.



Glue parts 13 on the TOP half of the body on the labeled areas (a, b) starting with the center line printed on the body.
Glue parts 14 on the BOTTOM half the same way.

Glue this end to inside
bottom of the body.



Need 8 plastic broom straws or similar material
cut and bend to match the size of the graphic
on the left.

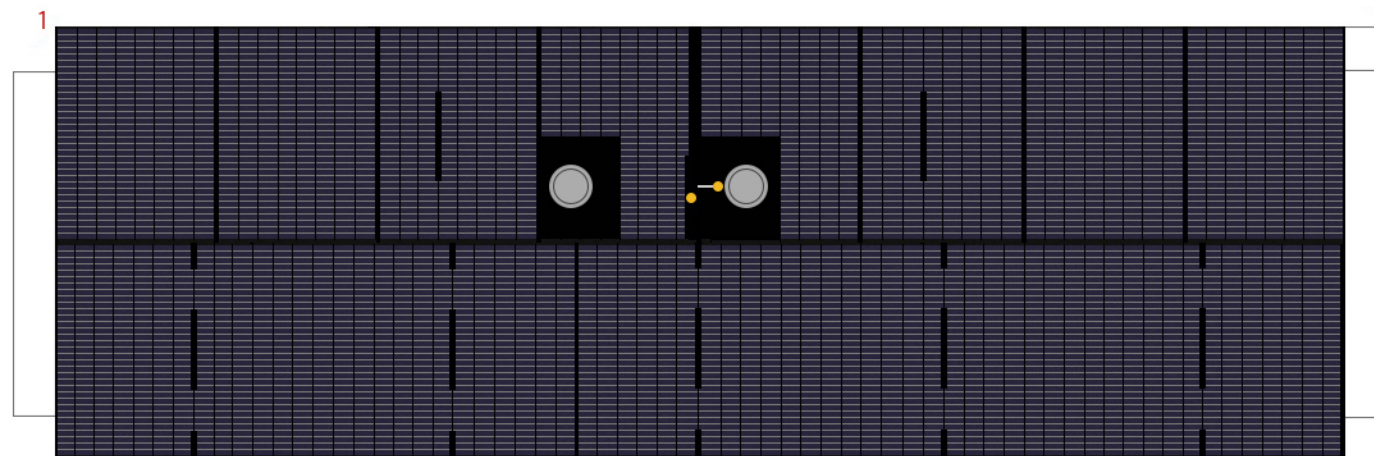
Color them as labeled.

need 8 plastic broom straws or similar material cut
at the same length as this line, colored light grey.

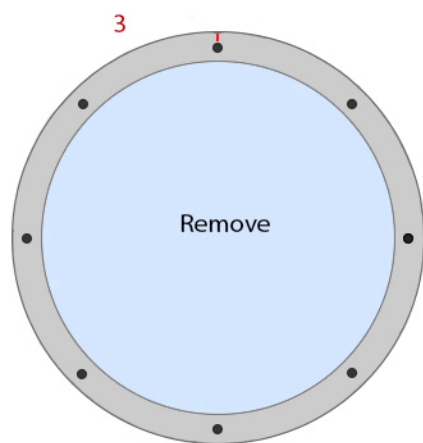
These are glued to the holes on part3.

Need plastic broom straw or similar material cut
at the same length as this line, colored light grey.

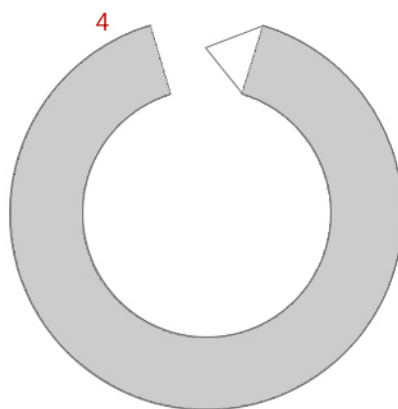
The following is the ATS-3 model “easier version”,
the solar panels are already printed on the body.



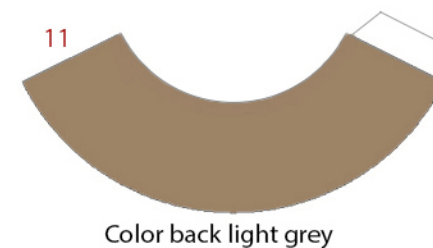
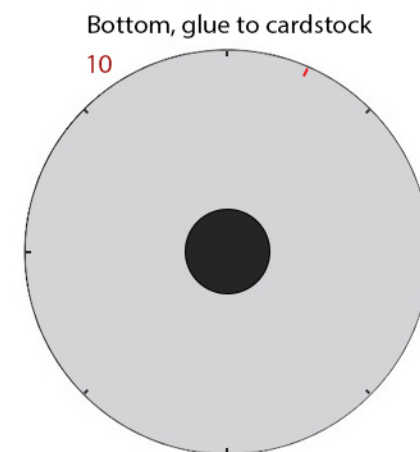
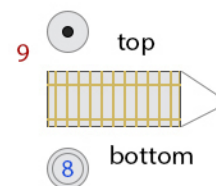
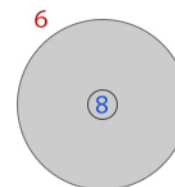
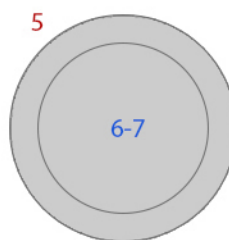
Glue inside bottom edge of the body



Poke small holes on the black dots.



Roll-glue to a shallow cone with color inside.



ATS-3 (Applications Technology Satellite)



Glue this end to inside
bottom of the body.

← Color this light grey

Need 8 plastic broom straws or similar material
cut and bend to match the size of the graphic
on the left.

Color them as labeled.

← Color this light grey.

← Color this light brown

need 8 plastic broom straws or similar material cut
at the same length as this line, colored light grey.

These are glued to the holes on part3.

Need plastic broom straw or similar material cut at
the same length as this line, colored light grey.