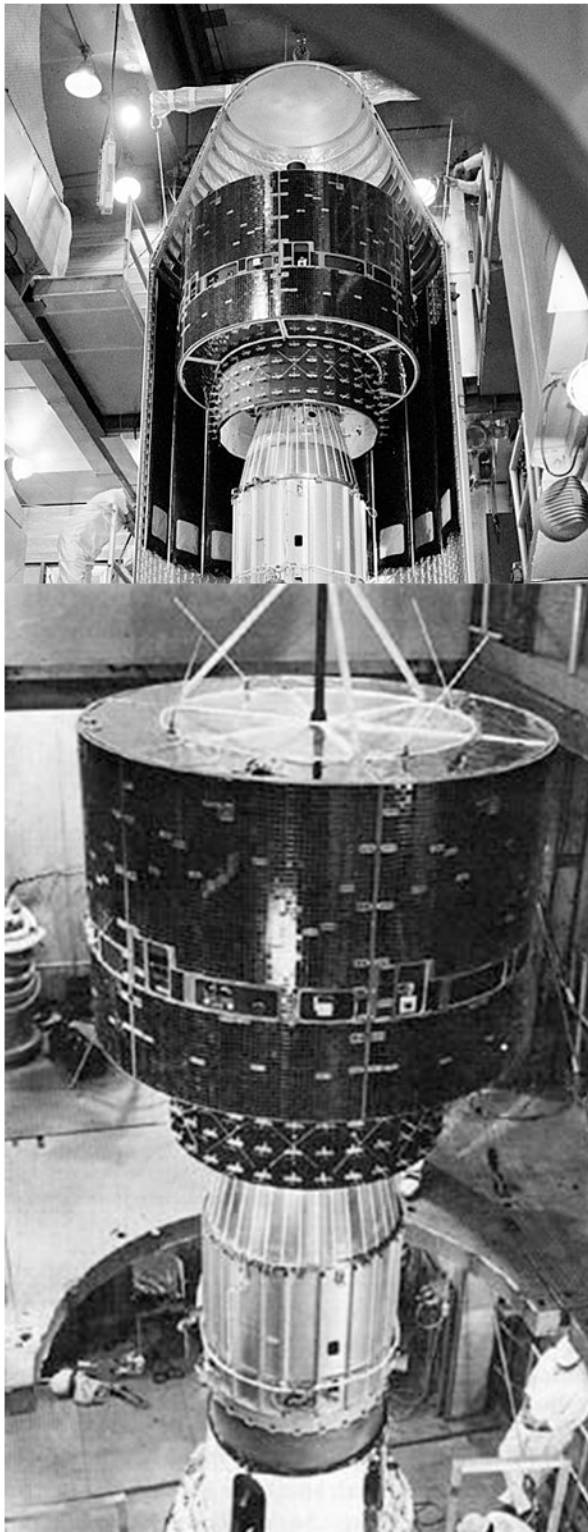


GOES-1



GOES 1 (Geostationary Operational Environmental Satellite), designated GOES-A and SMS-C prior to entering service, was a weather satellite operated by the United States National Oceanic and Atmospheric Administration. It was the first Geostationary Operational Environmental Satellite to be launched.

GOES-A was launched atop a Delta 2914 from Launch Complex 17B at the Cape Canaveral Air Force Station. The launch occurred at 22:40:00 UTC on October 16, 1975, and left the satellite in a geosynchronous transfer orbit. Following launch, it raised itself to a geostationary orbit by means of its onboard SVM-5 apogee motor, at which time it was redesignated GOES 1.

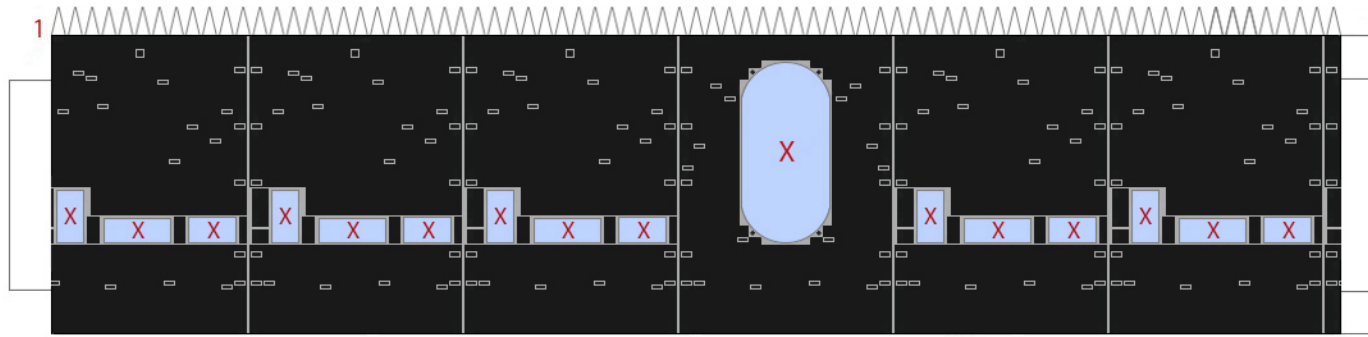
GOES-1, gave meteorologists their first near real-time view of the planet from a fixed position thousands of miles away. GOES-1 wasn't the first weather satellite in orbit (that title would belong to Tiros 1), but it was the first to be launched to such lofty heights (the first in a long run of successful weather satellites into orbit more than 22,000 miles above the earth's surface). Most satellites hang out a couple hundred miles above the earth's surface, snapping images of different locations. GOES-1 and its successors are in geosynchronous orbit, an orbit that allows these satellites to look at the planet from a fixed position from far away.

Being able to track hurricanes that are out to sea can give forecasters a better understanding of their intensity and track and without them, forecasts could suffer. And seeing severe weather develop in real-time from space can help meteorologists pinpoint where to issue tornado warnings or otherwise help people prepare in a way that on-the-ground observations can't.

GOES 1 was replaced by GOES 3, which was launched in 1978. After finishing operations over the Indian Ocean, it was moved to replace SMS-2 over the Pacific Ocean. It remained operational there until February 3, 1985 and it was deactivated by NASA on March 7, 1985.

GOES-1

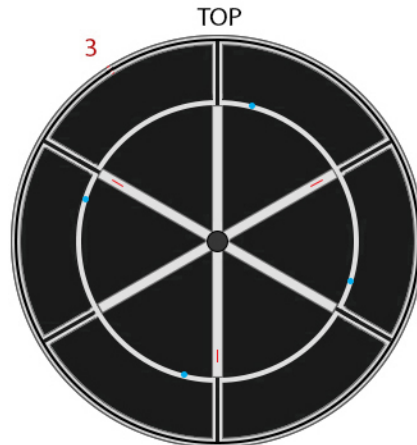
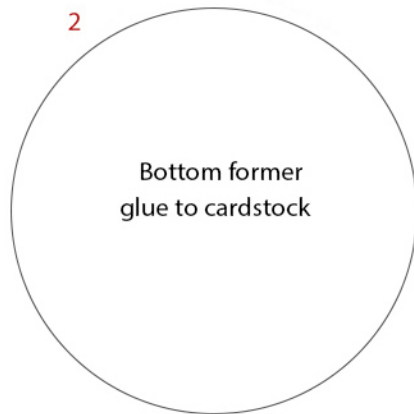
Detailed version



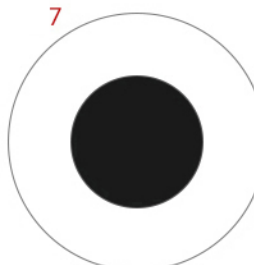
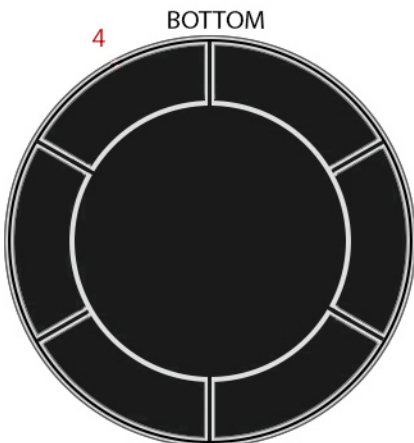
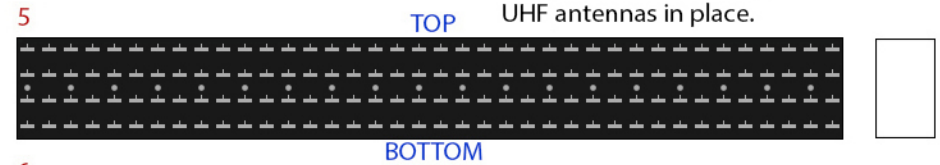
Cut out the areas with the red X.



Poke small holes on the small grey dots, makes it easier to glue the UHF antennas in place.



Poke small holes on the four blue dots.

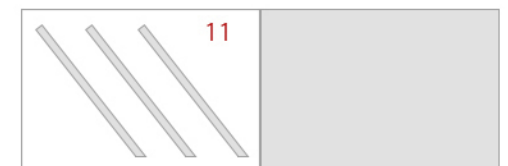
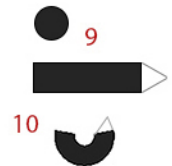


Includes 2 spares

Prepare 19 plastic broom straws colored light grey, cut at the same length as the short line below.

Prepare four plastic broom straws colored light grey, cut at the same length as the line below for the antennas.

Prepare a tooth pic colored black, cut at the same length as the line on the right.



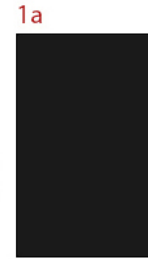
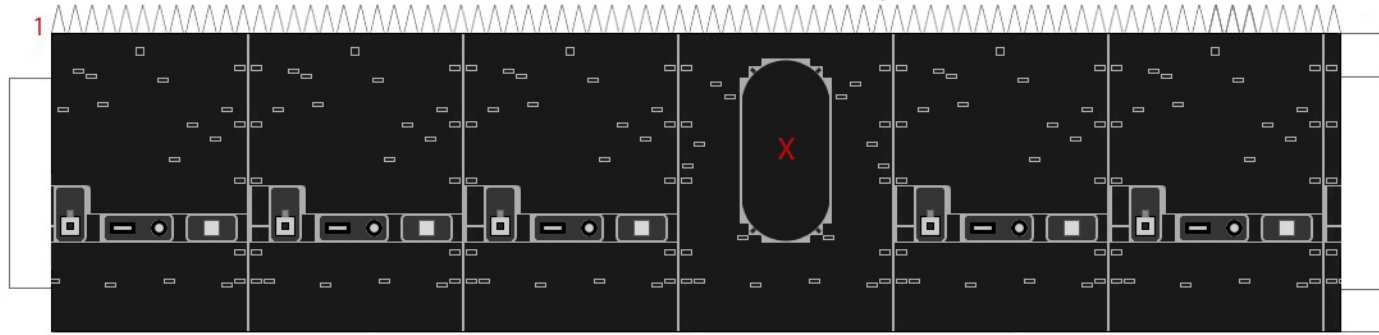
Fold-glue back-to-back

The previous page gives you the GOES-1 model, the detail version.

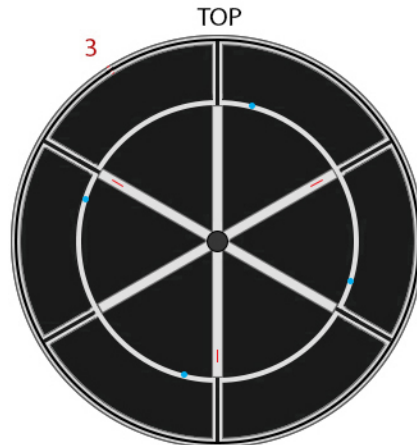
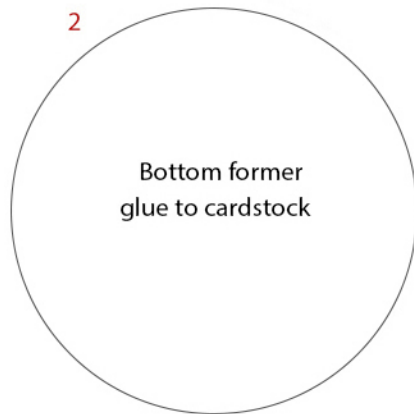
The next page gives you the model, the easy version.

GOES-1

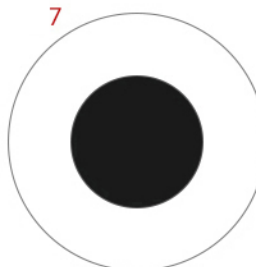
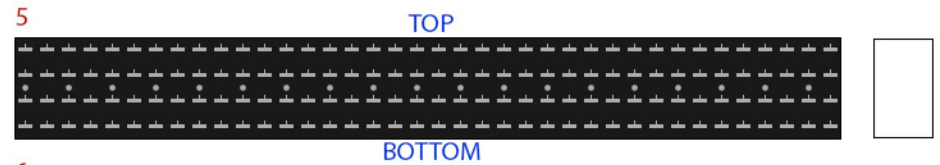
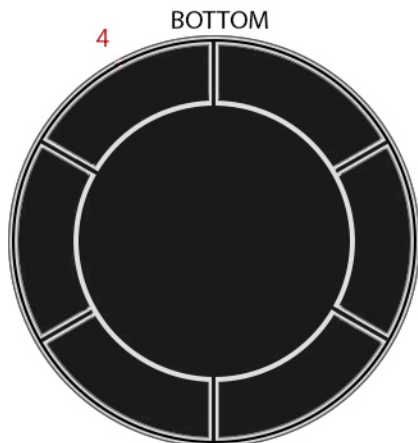
Easy version



Cut out the area with the red X.



Poke small holes on the four blue dots.



Glue to cardstock



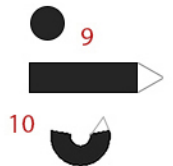
Color back Black



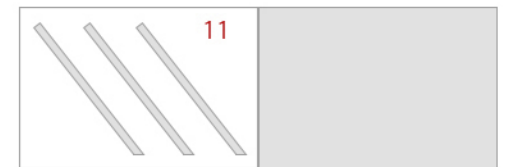
Glue these to regular print paper for strength.

Includes 2 spares

Prepare a tooth pic colored black, cut at the same length as the line on the right.



Prepare four plastic broom straws colored light grey, cut at the same length as the line below for the antennas.



Fold-glue back-to-back