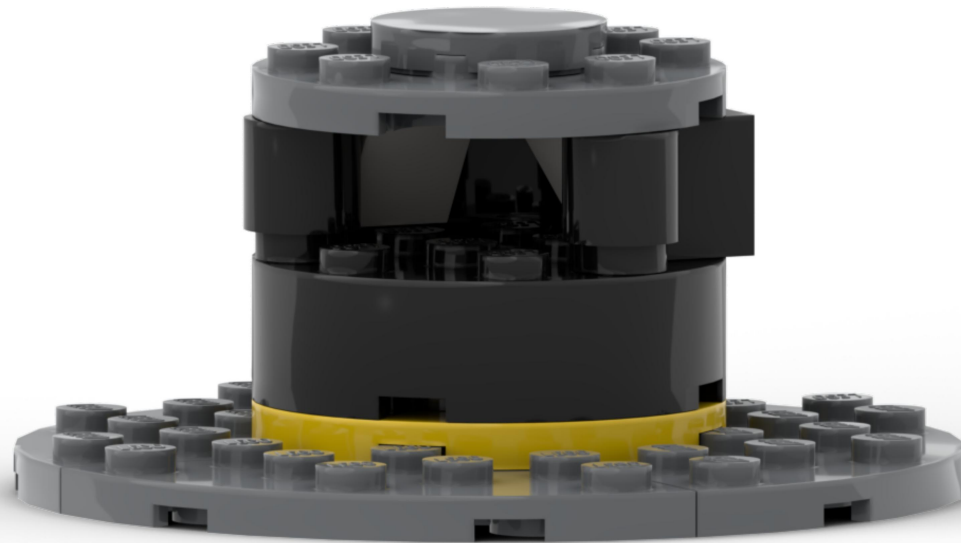


The Gaia Space Telescope

Mapping over a billion objects in our Milky Way

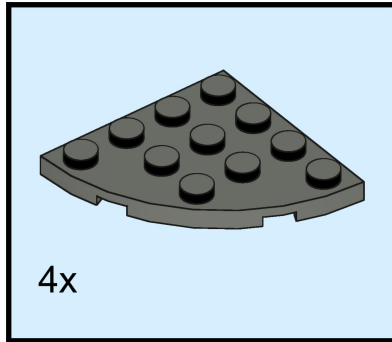


<https://www.cosmos.esa.int/gaia>

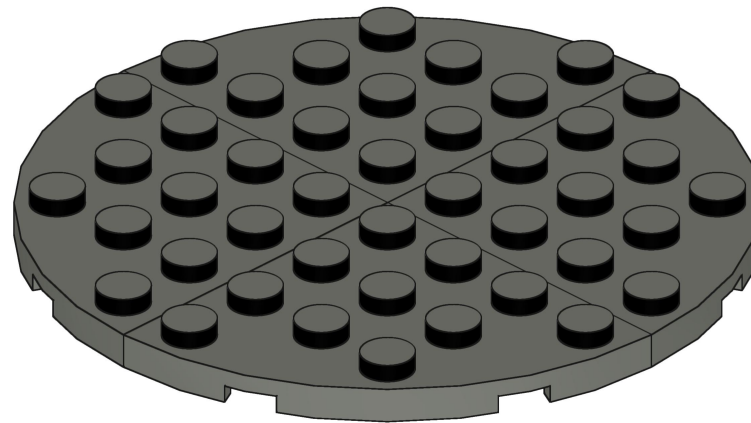
design Courtesy William Taylor



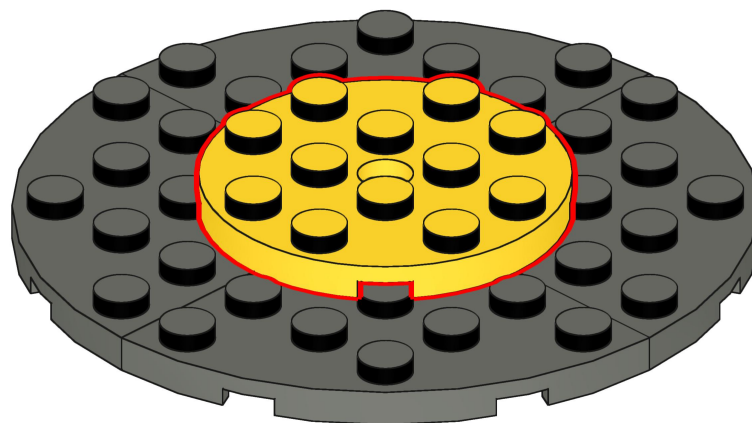
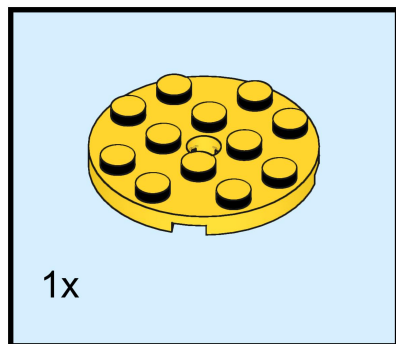
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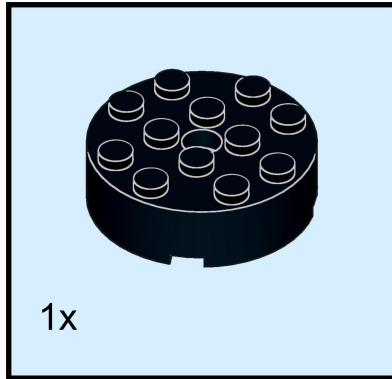
This is the sunshield of the spacecraft, measuring nearly 10 meters across. It keeps the telescopes and detectors cool, and at a very constant temperature



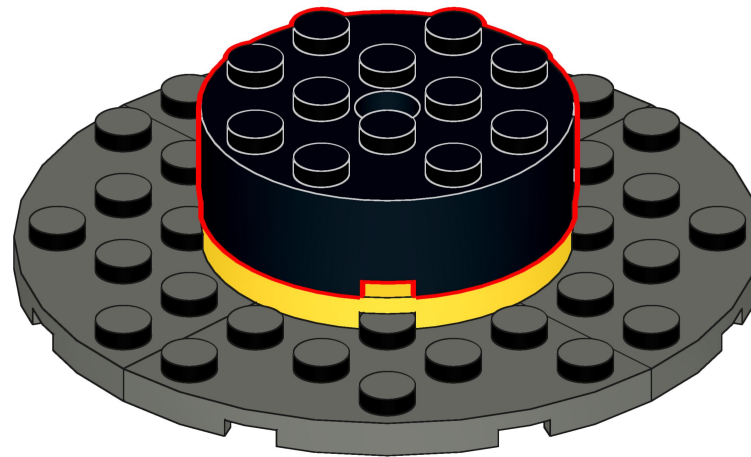
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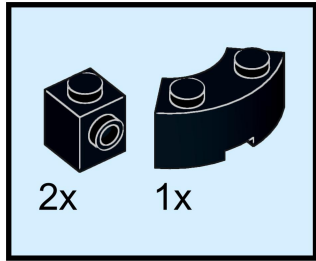
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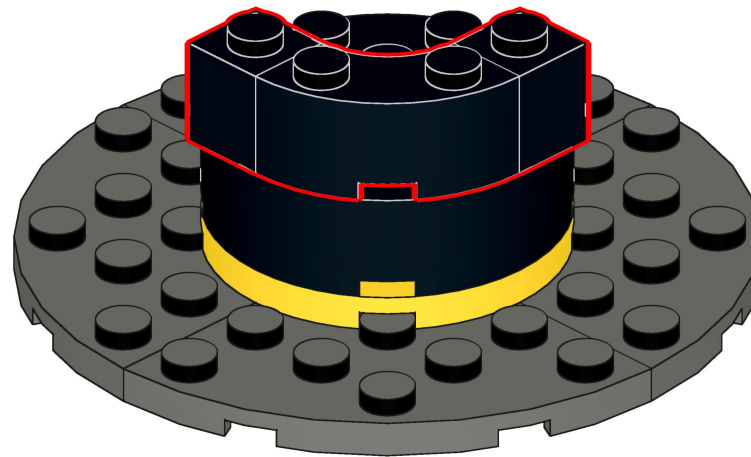
This is the service module,
containing all support units such as
the computers and propellant tanks



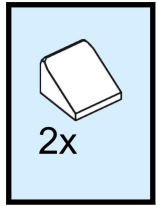
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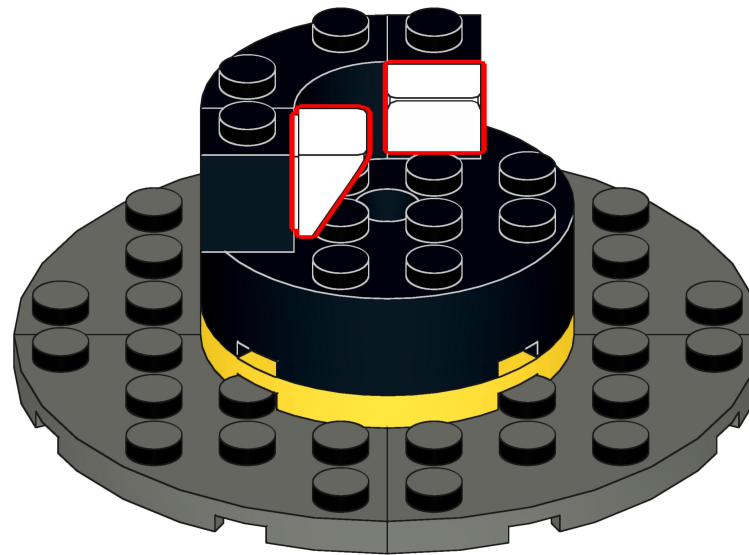
This is the back side of the tent
that protects the telescopes and
detectors



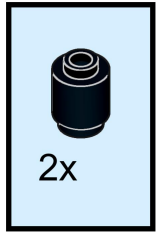
5



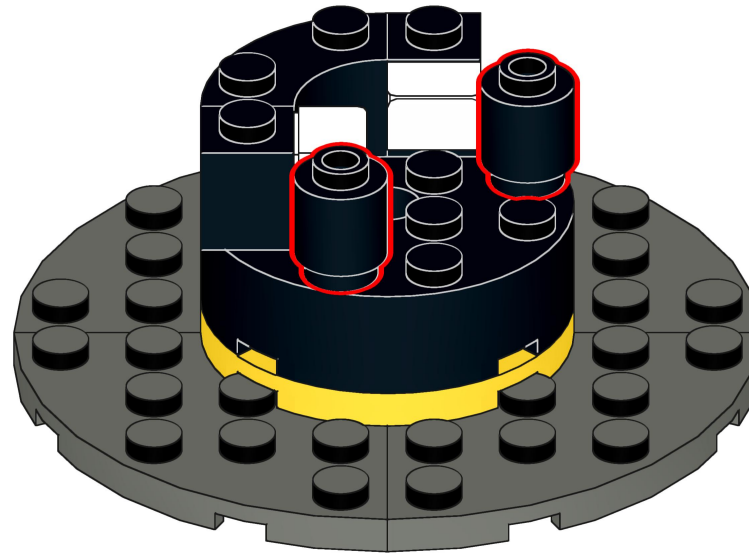
These are the two telescopes that collect star light. Their real size is 1.45 x 0.50 m



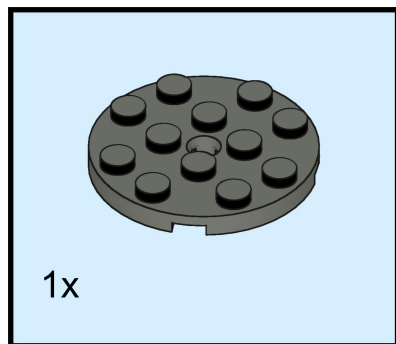
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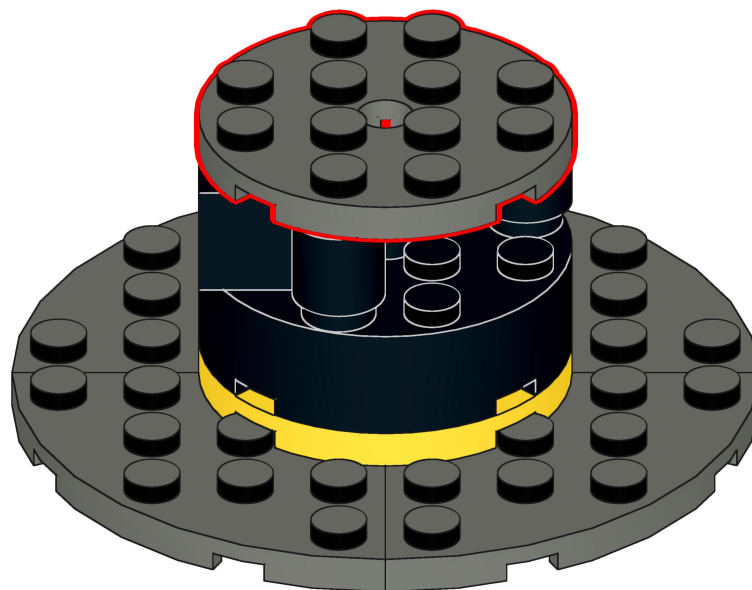
This is also part of the tent. Obviously,
a hole is left to let the starlight in ...



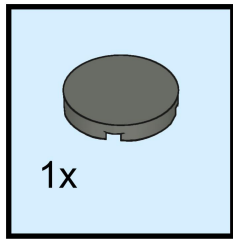
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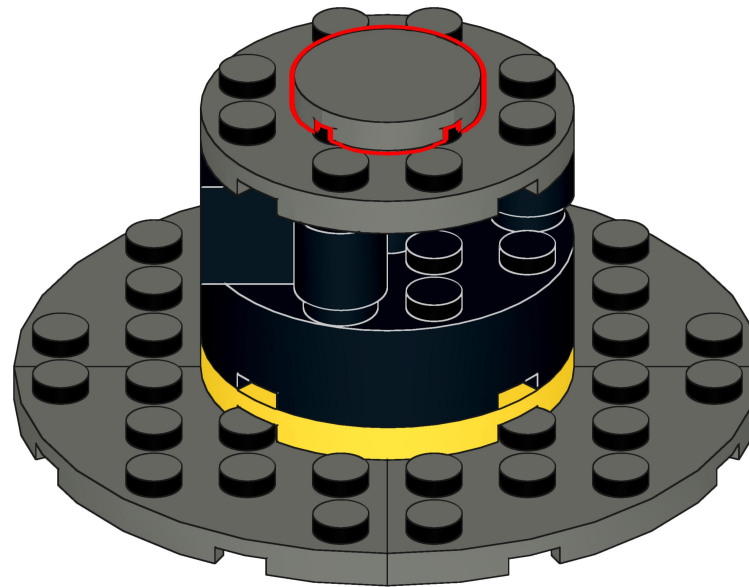
This is the roof of the
protective tent



8

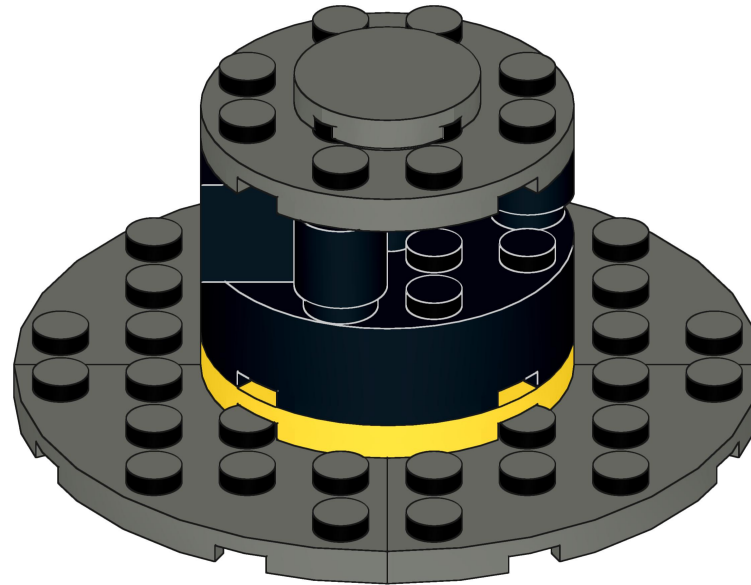


This is the reserve antenna for communicating with Earth. The main antenna is at the bottom of the sunshield



9

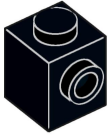
Congratulations: you have built Gaia! In reality, the build lasted about 7 years, from 2006 through 2013. Gaia has been looking at the stars from space since 2014 and has already made many exciting discoveries ...



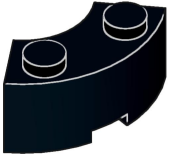
Check out the website to learn more <http://gaia.esa.int/>



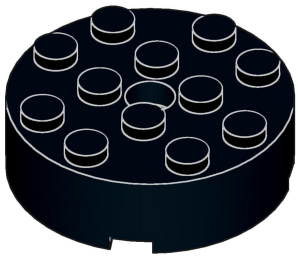
2x
3062b, 11



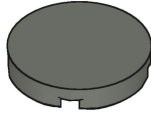
2x
87087, 11



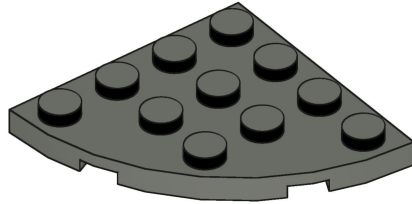
1x
85080, 11



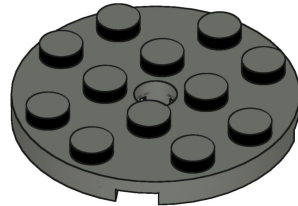
1x
87081, 11



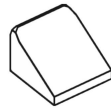
1x
4150, 85



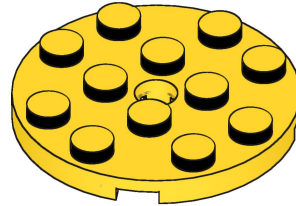
4x
30565, 85



1x
60474, 85



2x
54200, 1



1x
60474, 3