

Diwata-1



Diwata-1 also known as PHL-Microsat-1 is a Philippine microsatellite launched to the International Space Station (ISS) in March 23, 2016, and was deployed into orbit from the ISS in April 27, 2016. It is the first Philippine microsatellite and the first satellite built and designed by Filipinos.

Diwata-1 is the first satellite of the venture and is also a part of the Department of Science and Technology's Philippine Scientific Earth Observation Micro-Satellite (PHL-Microsat) Program which was initiated in December 2014 by the government agency.

DIWATA-1 has three scientific instruments: the High Precision Telescope (HPT); Space-borne Multispectral Imager (SMI) with Liquid Crystal Tunable Filter (LCTF); and the Wide Field Camera (WFC). DIWATA-1 also has one engineering control instrument, the Middle Field Camera (MFC).

The launch of Diwata-1 occurred on March 23, 2016, at Cape Canaveral, Florida in the United States. It was a payload of Orbital ATK's Cygnus spacecraft which was launched through the Atlas V rocket as part of a supply mission to the International Space Station (ISS). Initially the plan was reportedly to launch Diwata-1 through a vehicle by SpaceX, from either California or Florida to the ISS. Earlier, an orbital slot was secured from JAXA for Diwata-1. Cygnus managed to reach the ISS in March 26. The spacecraft unloaded its cargo, including Diwata-1, to the ISS in the span of two weeks.

One of the major goals of the PHL-Microsat program, to which Diwata-1 belongs, is to boost the progress on the creation of the Philippine Space Agency. DOST secretary Mario Montejo said that the Diwata-1 endeavour may pave the way for development of the local electronics and aerospace industries which would complement a satellite-building industry.

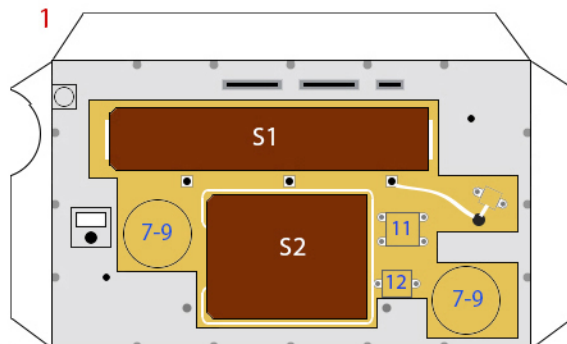
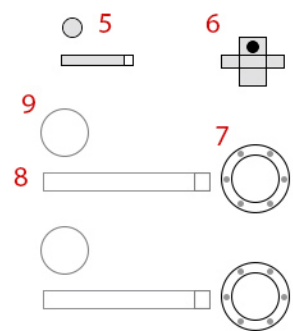
The University of the Philippines Diliman campus has allocated an area for a space research laboratory for the continued development of microsatellite technology, where the Filipino scientists were involved in the Diwata-1 project can teach and train local engineers. The facility will be funded by the Philippine Council for Industry, Energy and Emerging Technology Research and Development of the DOST.

The satellite was named after a type of being from Philippine mythology, the diwata.

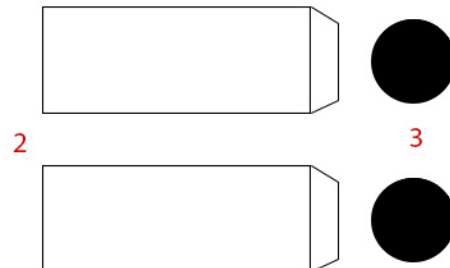
Sopcecraft Dimensions: 55 cm x 35 cm x 55 cm.



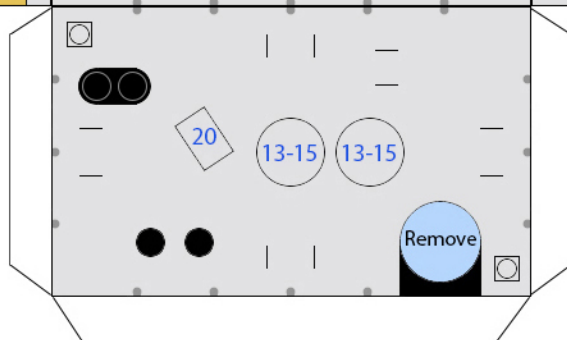
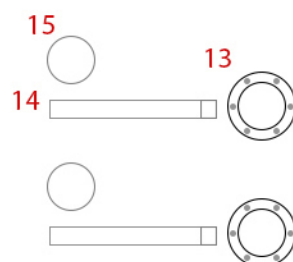
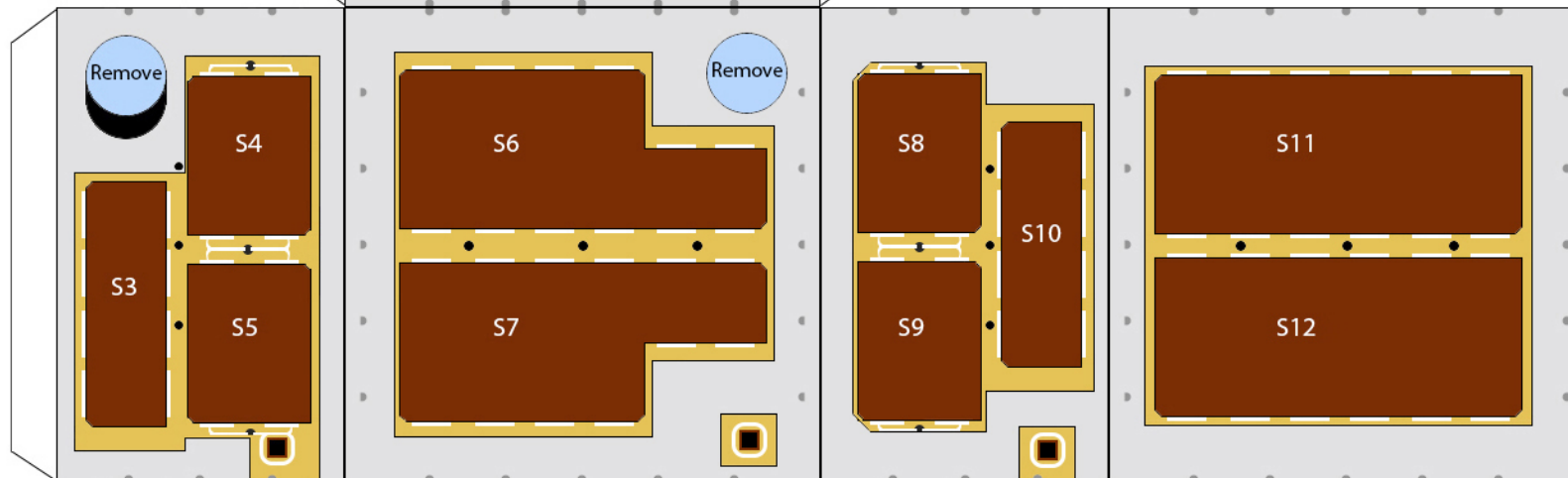
Diwata-1



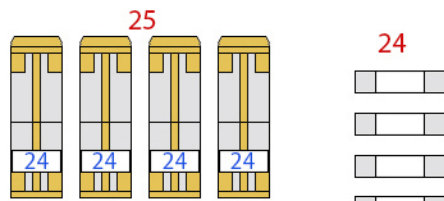
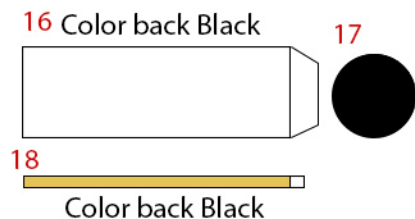
Color backside of these Black



10 11
Glue to thick cardstock



Glue to two layers of thick cardstock



Score the middle, fold-glue in half with graphics outside.
Score and fold the small tabs UP.

