



# General Assembly

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## Committee on the Peaceful Uses of Outer Space

### **Information furnished in conformity with General Assembly resolution 1721 B (XVI) by States launching objects into orbit or beyond**

#### **Note verbale dated 28 September 2021 from the Permanent Mission of the Philippines to the United Nations (Vienna) addressed to the Secretary-General**

The Permanent Mission of the Philippines to the United Nations (Vienna) has the honour to transmit, in conformity with paragraph 1 of General Assembly resolution 1721 B (XVI) of 20 December 1961, information for the registration of the Maya-2 (international designator 1998-067SF) space object launched by the Philippines into outer space (see annex).<sup>1</sup>

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<sup>1</sup> The data on the space object referenced in the annex were entered into the Register of Objects Launched into Outer Space on 6 October 2021.



## Annex

### Registration data on a space object launched by the Philippines\*

#### Maya-2

Committee on Space Research international designator	1998-067SF
Name of the space object	Maya-2
State of registry	Philippines
Date and territory or location of the launch	14 March 2021 at 1120 hours 0 seconds UTC; International Space Station (ISS)
Basic orbital parameters	
Nodal period	91.1 minutes
Inclination	51.6 degrees
Apogee	416 kilometres
Perigee	415 kilometres
General function of the space object	<ol style="list-style-type: none"> <li>1. Short message transmission by a continuous wave (CW) beacon</li> <li>2. Store-and-forward of messages from ground users to ground stations</li> <li>3. Earth imaging by a commercial off-the-shelf (COTS) camera module</li> <li>4. Demonstration of a COTS glue</li> <li>5. Demonstration of an active attitude determination and control system</li> <li>6. Demonstration of Perovskite solar cells</li> <li>7. Demonstration of a loop antenna design to use the satellite structure as an antenna</li> <li>8. Demonstration of a latch-up detection circuit</li> <li>9. Demonstration of radiation hardness of COTS components</li> </ol>
Space object owner or operator	University of the Philippines–Dilman and the Philippines Department of Science and Technology
Website	<a href="https://birds4.birds-project.com/">https://birds4.birds-project.com/</a>
Launch vehicle	Cygnus NG-15
Other information	<p>Launched by Antares rocket on 20 February 2021 and carried by the Cygnus NG-15 spacecraft to ISS</p> <p>Date of launch is the date of deployment from ISS and territory or location of launch is the location of deployment</p>

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\* The information was submitted using the form prepared pursuant to General Assembly resolution 62/101 and has been reformatted by the Secretariat.