



General Assembly

Distr.: General
31 October 2023

Original: English

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 26 September 2023 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 on space objects Maya-5 and Maya-6 that were launched by the Philippines into outer space on 5 June 2023, and successfully deployed to outer space from the International Space Station via Space X Falcon on 19 July 2023 (see annex).¹

¹ The data on the space objects referenced in the annex were entered into the Register of Objects Launched into Outer Space on 19 October 2023.



Annex

Registration information on space objects launched by the Philippines*

Maya-5

Name of the space object	Maya-5
State of registry	Philippines
Date and territory or location of the launch	5 June 2023 at 1547 hours 0 seconds UTC; Launch Complex 39A (LC-39A), Kennedy Space Center, Cape Canaveral, Florida, United States of America
Basic orbital parameters	
Nodal period	92.79 minutes
Inclination	51.64 degrees
Apogee radius	6,792.15 kilometres
Perigee radius	6,787.03 kilometres
General function of the space object	1. Image and video capture (RGB CAM mission) 2. Store-and-forward technology (S&F mission) 3. Automatic Packet Reporting System (APRS mission) 4. Attitude Determination and Control System (ADCS mission) 5. Hentenna (HNT mission) 6. Total ionizing dose measurement of on-board commercial off-the-shelf components and rad-hard components (TMCR mission) 7. Experimental on-board computer (OBC-EX mission)
Space object owner or operator	University of the Philippines Diliman and the Department of Science and Technology of the Philippines
Website	stamina4space.upd.edu.ph/maya-5-and-maya-6/
Launch vehicle	SpaceX Dragon CRS-28
Other information	The Maya-5 and Maya-6 Cubesats were built under the Space Science and Technology Proliferation through University Partnerships (STeP-UP) project of the STAMINA4Space programme, which is funded by the Department of Science and Technology (DOST) and is implemented by the University of the Philippines Diliman and the DOST Advanced Science and Technology Institute (DOST-ASTI). Maya-5 and Maya-6 are the second set of Philippine university-built Cubesats and, similar to their predecessors, provide local opportunities to acquire space technology know-how

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

and hands-on experience in satellite development. The programme is also geared towards increased utilization of domestic capabilities by transitioning to locally available satellites components, fabricated boards and manufactured structural frames.

Maya-6

Name of the space object	Maya-6
State of registry	Philippines
Date and territory or location of the launch	5 June 2023 at 1547 hours 0 seconds UTC; Launch Complex 39A (LC-39A), Kennedy Space Center, Cape Canaveral, Florida, United States of America
Basic orbital parameters	
Nodal period	92.79 minutes
Inclination	51.64 degrees
Apogee radius	6,792.15 kilometres
Perigee radius	6,786.80 kilometres
General function of the space object	1. Image and video capture (RGB CAM mission) 2. Store-and-forward technology (S&F mission) 3. Automatic Packet Reporting System (APRS mission) 4. Attitude Determination and Control System (ADCS mission) 5. Hentenna (HNT mission) 6. Total ionizing dose measurement of on-board commercial off-the-shelf components and rad-hard components (TMCR mission) 7. Experimental on-board computer (OBC-EX mission)
Space object owner or operator	University of the Philippines Diliman and the Department of Science and Technology of the Philippines
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utilization of domestic capabilities by transitioning to locally available satellites components, fabricated boards and manufactured structural frames.
