United Nations ST/SG/SER.E/1060*

Secretariat

Distr.: General
20 June 2022

Original: English

# Information furnished in conformity with the Convention on Registration of Objects Launched into Outer Space

## Note verbale dated 30 May 2022 from the Permanent Mission of Canada to the United Nations (Vienna) addressed to the Secretary-General

The Permanent Mission of Canada to the United Nations (Vienna) has the honour to submit information concerning Canadian space objects (Kepler space objects), indicating the technical information required under the Convention on Registration of Objects Launched into Outer Space (General Assembly resolution 3235 (XXIX), annex), to which Canada is a State party. Furthermore, the list includes additional information on an object already entered in the Register of Objects Launched into Outer Space (LEO 1) (see annex).[1]

* Reissued for technical reasons on 16 August 2022.

[1] The data on the space objects referenced in the annex were entered into the Register of Objects Launched into Outer Space on 13 June 2022.

V.22-10058 (E) 280622 290622

# Annex

## Registration information on space objects launched by Canada*

| *International designator* | *Name* | *State of registry* | *Other launching States* | *Registration document for previously registered space object* | *Date of the launch (UTC)* | *Location of the launch* | *Basic orbital parameters* | | | | *General function of the space object* |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | *Nodal period (minutes)* | *Inclination (degrees)* | *Apogee (km)* | *Perigee (km)* | |
| 2018-008C | KEPLER-0 (KIPP) | Canada | China | - | 19 January 2018, 0412 hours, 0 seconds | Jiuquan Satellite Launch Centre, China | 95.2 | 97.4 | 544.4 | 522.0 | Data transfer and technology |
| 2018-096L | KEPLER-1 (CASE) | Canada | India | - | 29 November 2018, 0427 hours, 30 seconds | SHAR/Sriharikota, India | 93.8 | 97.4 | 479.1 | 457.6 | Data transfer and technology |
| 2020-061AZ | KEPLER-2 (TARS) | Canada | France | - | 3 September 2020, 0151 hours, 10 seconds | Guiana Space Centre, French Guiana | 95.2 | 97.5 | 538.2 | 532.7 | Data transfer and technology |
| 2020-068P | KEPLER-4 (ANTILLES) | Canada | Russian Federation | - | 28 September 2020, 1120 hours, 0 seconds | Plesetsk Cosmodrome, Russian Federation | 95.7 | 97.7 | 569.9 | 554.0 | Data transfer and technology |
| 2020-068N | KEPLER-5 (AMIDALA) | Canada | Russian Federation | - | 28 September 2020, 1120 hours, 0 seconds | Plesetsk Cosmodrome, Russian Federation | 95.7 | 97.7 | 569.6 | 554.1 | Data transfer and technology |
| 2021-022Z | KEPLER-6 (ROCINANTE) | Canada | Russian Federation, Kazakhstan | - | 22 March 2021, 0607 hours, 12 seconds | Baikonur Cosmodrome, Kazakhstan | 95.5 | 97.5 | 567.7 | 536.6 | Data transfer and technology |
| 2021-022T | KEPLER-7 (C3PO) | Canada | Russian Federation, Kazakhstan | - | 22 March 2021, 0607 hours, 12 seconds | Baikonur Cosmodrome, Kazakhstan | 95.6 | 97.5 | 567.6 | 537.1 | Data transfer and technology |
| 2021-006BR | KEPLER-8 (AMAROK) | Canada | United States of America | - | 24 January 2021, 1500 hours, 0 seconds | Cape Canaveral, United States | 95.1 | 97.5 | 537.1 | 527.2 | Data transfer and technology |
| 2021-006DX | KEPLER-9 (ARTEMIS) | Canada | United States | - | 24 January 2021, 1500 hours, 0 seconds | Cape Canaveral, United States | 95.1 | 97.5 | 537.8 | 527.9 | Data transfer and technology |
| 2021-006CS | KEPLER-10 (BABY YODA) | Canada | United States | - | 24 January 2021, 1500 hours, 0 seconds | Cape Canaveral, United States | 95.1 | 97.5 | 535.7 | 523.0 | Data transfer and technology |

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

| *International designator* | *Name* | *State of registry* | *Other launching States* | *Registration document for previously registered space object* | *Date of the launch (UTC)* | *Location of the launch* | *Basic orbital parameters* | | | | *General function of the space object* |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | *Nodal period (minutes)* | *Inclination (degrees)* | *Apogee (km)* | *Perigee (km)* | |
| 2021-006CU | KEPLER-11 (DANEEL) | Canada | United States | - | 24 January 2021, 1500 hours, 0 seconds | Cape Canaveral, United States | 95.1 | 97.5 | 538.2 | 527.4 | Data transfer and technology |
| 2021-006AK | KEPLER-12 (BOBA) | Canada | United States | - | 24 January 2021, 1500 hours, 0 seconds | Cape Canaveral, United States | 95.1 | 97.5 | 536.6 | 522.5 | Data transfer and technology |
| 2021-006AT | KEPLER-13 (LUCKY) | Canada | United States | - | 24 January 2021, 1500 hours, 0 seconds | Cape Canaveral, United States | 95.1 | 97.5 | 536.5 | 523.4 | Data transfer and technology |
| 2021-006DS | KEPLER-14 (STELLA) | Canada | United States | - | 24 January 2021, 1500 hours, 0 seconds | Cape Canaveral, United States | 95.2 | 97.4 | 538.5 | 528.8 | Data transfer and technology |
| 2021-006BA | KEPLER-15 (SUDORMRF) | Canada | United States | - | 24 January 2021, 1500 hours, 0 seconds | Cape Canaveral, United States | 95.1 | 97.5 | 537.0 | 528.4 | Data transfer and technology |
| 2022-002CB | KEPLER-16 (ASTRAEUS) | Canada | United States | - | 13 January 2022 1525 hours, 39 seconds | Cape Canaveral, United States | 95.2 | 97.5 | 542.2 | 529.1 | Data transfer and technology |
| 2022-002CD | KEPLER-17 (KARINA) | Canada | United States | - | 13 January 2022 1525 hours, 39 seconds | Cape Canaveral, United States | 95.2 | 97.5 | 542.9 | 529.2 | Data transfer and technology |
| 2022-002U | KEPLER-18 (BLIP-A) | Canada | United States | - | 13 January 2022 1525 hours, 39 seconds | Cape Canaveral, United States | 95.2 | 97.5 | 542.4 | 524.9 | Data transfer and technology |
| 2022-002BV | KEPLER-19 (TBD) | Canada | United States | - | 13 January 2022 1525 hours, 39 seconds | Cape Canaveral, United States | 95.2 | 97.5 | 543.0 | 529.0 | Data transfer and technology |
| 2018-004C | LEO 1 | Canada | | ST/SG/SER. E/996 | 12 January 2018 | - | 99.08 | 99.2 | 1 001 | 428 | - |