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

Note verbale dated 11 September 2023 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), in accordance with article IV of the Convention on Registration of Objects Launched into Outer Space (General Assembly resolution 3235 (XXIX), annex), has the honour to submit technical information required under the Convention for the registration of Canadian space objects (see annex).[1]

The Permanent Mission would also like to convey that for space objects AuroraSat, EX-Alta 2, YukonSat and NEUDOSE, Canada considers that the launch from Cape Canaveral, United States of America, should be used as the "launching date".

[1] The data on the space objects referenced in the annex were entered into the Register of Objects Launched into Outer Space on 14 September 2023.

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Annex

Registration information on space objects launched by Canada*

Committee on Space Research international designator	*Name of the space object*	*National designator/ registration number*	*State of registry*	*Other launching States*	*Date of the launch (UTC)*	*Location of the launch*	*Basic orbital parameters*				*General function of the space object*	*Additional voluntary information*			
							Nodal period (minutes)	*Inclination (degrees)*	*Apogee (km)*	*Perigee (km)*		*Space object owner or operator*	*Launch vehicle*	*Website*	*Other information*
2023-054AC	GHGSat-C6	56204	Canada	United States of America	15 April 2023 0647 hours, 49 seconds	SLC-4E	94.52	97.41	504	487	Measurement of methane (CH_4) emissions at targeted sites	GHGSat Inc.	Falcon 9	www.ghgsat.com	-
2023-054AH	GHGSat-C7	56209	Canada	United States	15 April 2023 0647 hours, 49 seconds	SLC-4E	94.41	97.4	503	486	Measurement of CH_4 emissions at targeted sites	GHGSat Inc.	Falcon 9	www.ghgsat.com	-
2023-054J	GHGSat-C8	56186	Canada	United States	15 April 2023 0647 hours, 49 seconds	SLC-4E	94.59	97.4	506	492	Measurement of CH_4 emissions at targeted sites	GHGSat Inc.	Falcon 9	www.ghgsat.com	-
2023-054AR	Kepler 20	56217	Canada	United States	15 April 2023 0647 hours, 49 seconds	SLC-4E	94.53	97.41	504	488	Data transfer and technology	Kepler Communications Inc.	Falcon 9 - Transporter 7 mission – D-Orbit ION OTV: SCV-010 Masterful Matthaeus	-	-
2023-054AS	Kepler 21	56218	Canada	United States	15 April 2023 0647 hours, 49 seconds	SLC-4E	94.59	97.4	505	492	Data transfer and technology	Kepler Communications Inc.	Falcon 9 - Transporter 7 mission – D-Orbit ION OTV: SCV-010 Masterful Matthaeus	-	-
1998-067VD	AuroraSat	56312	Canada	United States	15 March 2023 0030 hours, 0 seconds	LC-39A[a]	91.76	51.63	366	356	Outreach/ educational mission	Owner: Aurora Research Institute - Aurora College Operator: University of Alberta	SpaceX Falcon 9 CRS-27, NanoRacks NRCSD25	albertasat.ca	-
1998-067VE	EX-Alta 2	56313	Canada	United States	15 March 2023 0030 hours, 0 seconds	LC-39A[b]	91.96	51.63	375	366	Monitoring	University of Alberta	SpaceX Falcon 9 CRS-27, NanoRacks NRCSD25	albertasat.ca	This cube satellite is part of the Canadian Space Agency's Canadian CubeSat Programme

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

Committee on Space Research international designator	*Name of the space object*	*National designator/ registration number*	*State of registry*	*Other launching States*	*Date of the launch (UTC)*	*Location of the launch*	*Basic orbital parameters*				*General function of the space object*	*Additional voluntary information*			
							Nodal period (minutes)	*Inclination (degrees)*	*Apogee (km)*	*Perigee (km)*		*Space object owner or operator*	*Launch vehicle*	*Website*	*Other information*
1998-067VH	YukonSat	56316	Canada	United States	15 March 2023 0030 hours, 0 seconds	LC-39A[a]	92.08	51.64	382	372	Outreach/ educational mission	Owner: Yukon University Operator: University of Alberta	SpaceX Falcon 9 CRS-27, NanoRacks NRCSD25	albertasat.ca	This cube satellite is part of the Canadian Space Agency's Canadian CubeSat Programme
1998-067VG	NEUDOSE	56315	Canada	United States	15 March 2023 0030 hours, 0 seconds	LC-39A[a]	92.22	51.64	388	379	Educational mission	McMaster University	SpaceX Falcon 9 CRS-27, NanoRacks NRCSD25	mcmasterneudose.ca/	This cube satellite is part of the Canadian Space Agency's Canadian CubeSat Programme

Abbreviations

Location of the launch: LC-39A, Launch Complex 39A, Kennedy Space Center, Cape Canaveral, Florida, United States; and SLC-4E, Space Launch Complex 4E, Vandenberg Space Force Base, California, United States.

[a] Subsequently deployed from the International Space Station (ISS) via Nanoracks CubeSat Deployer on 24 April 2023 at 1215 hours, 0 seconds UTC.
[b] Subsequently deployed from ISS via Nanoracks CubeSat Deployer on 24 April 2023 at 1205 hours 0 seconds UTC.