



Secretariat

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**Committee on the Peaceful
Uses of Outer Space**

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

**Note verbale dated 29 January 2020 from the Permanent Mission
of India to the United Nations (Vienna) addressed to the
Secretary-General**

The Permanent Mission of India 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 transmit information concerning Indian space objects and launches relating to the RISAT, Chandrayaan-2, Cartosat, GSLV and PSLV missions, launched from the Satish Dhawan Space Centre, Sriharikota, India (see annex).



Annex

Registration data on space objects launched by India during the period May to December 2019*

			Date and territory or location of launch			Basic orbital characteristics				
Number	Name of the space object	Appropriate designator of the space object (international designator)	Launch vehicle	Launch date	Launch site	Apogee (km)	Perigee (km)	Inclination (degrees)	Period (minutes)	General function of the space object
Spacecraft										
1.	RISAT-2B	2019-028A	PSLV-C46	22 May 2019	SDSC	557	550	37.00	95.73	Radar imaging
2.	Chandrayaan-2 orbiter (injection orbit)	2019-042A	GSLV-MkIII-M1	22 July 2019	SDSC	45 475	169	21.46	827.66	Lunar exploration
3.	Cartosat-3	2019-081A	PSLV-C47	27 November 2019	SDSC	521	498	97.52	94.82	Cartography
4.	RISAT-BR1	2019-089F	PSLV-C48	11 December 2019	SDSC	573	565	36.97	96.04	Radar imaging
Upper stages of launch vehicles (rocket bodies)										
1.	PSLV R/B (PSLV-C46)	2019-028B	PSLV-C46	22 May 2019	SDSC	558	479	37.03	94.99	RISAT-2B as payload
2.	GSLV R/B (GSLV-MkIII-M1)	2019-042B	GSLV-MkIII-M1	22 July 2019	SDSC	638	85	21.45	91.77	Chandrayaan-2 as payload
3.	PSLV R/B (PSLV-C47)	2019-081B	PSLV-C47	27 November 2019	SDSC	563	495	97.51	95.22	Cartosat-3 as payload with 13 commercial payloads
4.	PSLV R/B (PSLV-C48)	2019-089L	PSLV-C48	11 December 2019	SDSC	572	519	36.98	95.55	RISAT-BR1 as payload with nine commercial payloads

Note: Space objects were launched from the Satish Dhawan Space Centre (SDSC), Sriharikota, India

* The registration data are reproduced in the form in which they were received.