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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 15 April 2013 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 transmit information concerning space object Sapphire (international designator 2013-009C) (see annex).



## Annex

### Registration data on a space object launched by Canada\*

#### Sapphire

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

Committee on Space Research international designator:	2013-009C
Name of the space object:	Sapphire
National designator/registration number as used by the State of registry:	39088 (North American Aerospace Defense Command (NORAD) catalogue)
State of registry:	Canada
Other launching States:	India
Date and territory or location of the launch	
Date of the launch:	25 February 2013 1231 hours UTC
Territory or location of the launch:	Satish Dhawan Space Centre, Sriharikota, India
Basic orbital parameters	
Nodal period:	100.44 minutes
Inclination:	98.63 degrees
Apogee:	788 kilometres
Perigee:	771 kilometres
General function of the space object:	Sapphire is a space-based electro-optical sensor that will detect and track deep space objects having altitudes of between 6,000 km and 40,000 km above the Earth's surface. These objects include operational and non-operational satellites, as well as other man-made objects in Earth orbit.

##### Additional voluntary information for use in the Register of Objects Launched into Outer Space

Space object owner or operator:	Department of National Defence (Canada)
Launch vehicle:	PSLV (C-20)

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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.