

CANADIAN SPACE ACHIEVEMENTS



John Herbert Chapman, the leading manager of the Alouette program, recommends the creation of a national space agency.

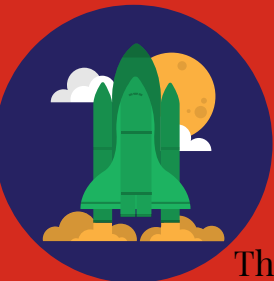
Feb. 1967

Canadarm is launched aboard Space Shuttle Columbia on mission STS-2.

Nov. 13, 1981

The first six Canadian astronauts are selected: Roberta Bondar, Marc Garneau, Steve MacLean, Ken Money, Robert Thirsk and Bjarni Tryggvason.

Dec. 5, 1983



The CSA is created, with Larkin Kerwin as its first president.

March 1, 1989

The CSA selects its second group of astronauts: Chris Hadfield, Julie Payette, Robert Stewart and Dr. David Williams. A week later, Robert Stewart resigns for personal reasons and is replaced by Michael John McKay.

June 8, 1992

The CSA headquarters are completed in Saint-Hubert, Que. and includes astronaut-training facilities, RADARSAT Mission Control Room, the MOC (MSS Operation Centre) and laboratories. (The facility is later renamed the John H. Chapman Space Centre in 1996.)

June 1993



CSA launches RADARSAT, Canada's first Earth-observation satellite.

Nov. 4, 1995

Marc Garneau becomes the first Canadian astronaut to fly in space twice on mission STS-77.

May 19, 1996



Canada launches Alouette, a satellite to gather data on the ionosphere, and becomes the third nation, after Russia and the United States, to design and build its own satellite.

Sept. 29, 1962

Telesat Canada launches the Anik A1 communications satellite and Canada becomes the first country with a domestic communications satellite in geostationary orbit.

Nov. 9, 1972

Impressed with Canadarm's performance, NASA invites a Canadian to fly in space; this is the beginning of the Canadian astronaut program.

Sept. 29, 1982

Astronaut Marc Garneau becomes the first Canadian in space on mission STS-41G aboard Challenger.

Oct. 5-13, 1984

Astronaut Roberta Bondar becomes the second Canadian, and first Canadian woman, in space aboard Discovery on mission STS-42.

Jan. 22-30, 1992

Steve MacLean becomes the third Canadian astronaut in space on mission STS-52

Oct. 22, 1992



Canadian astronaut Marc Garneau becomes the first non-American Capsule Communicator for mission STS-65 at Mission Control in Houston.

July 8, 1994

Canadian astronaut Chris Hadfield becomes the first Canadian Mission Specialist and the first Canadian aboard space station Mir on mission STS-74.

Nov. 12-20, 1995

Bob Thirsk takes his first space flight, and the longest ever by a Canadian astronaut, as a Payload Specialist on mission STS-78.

June 20, 1996





RADARSAT-1 takes the first high-resolution satellite image of the South Pole.

Sept. 14, 1997

Chris Hadfield becomes the first Canadian to perform a spacewalk on mission STS-100 to deliver Canadarm2 to the International Space Station.

April 19, 2001

Canada launches its first space telescope, MOST (microvariability and oscillations of stars).

June 30, 2003

RADARSAT-2 is launched and offers enhanced marine surveillance, ice monitoring, disaster management, environmental monitoring, resource management and mapping in Canada and around the world.

Dec. 14, 2007

Canada's newest astronauts are revealed: Jeremy Hansen and David Saint-Jacques.

May 13, 2009

Guy Laliberté, founder of Cirque du Soleil and the ONE DROP Foundation, becomes the first Canadian private space explorer to visit the International Space Station.

June 4, 2009

The CSA and partner organizations launch AuroraMAX, an initiative to monitor the intensity and frequency of the Aurora Borealis.

Sept. 20, 2010

Canadian astronaut Chris Hadfield becomes the first Canadian Commander of the International Space Station.

March 13, 2013

The plan for Canada's future in space is unveiled.

Feb. 7, 2014

Julie Payette becomes the eighth Canadian astronaut in space and the first one to board the space station on mission STS-96/2A.1.

May 27, 1999

Canada's Mobile Base System for the International Space Station is launched.

June 5, 2001

NASA's Phoenix Mars lander is launched and includes Canadian-built meteorological instruments to track the weather and climate on Mars.

Aug. 4, 2007

Dextre (Special Purpose Dexterous Manipulator) is launched and becomes Canada's latest contribution to the International Space Station.

March 11, 2008

Canadian astronaut Robert Thirsk launches aboard Soyuz TMA-15, marking the start of Canada's first long-duration mission in space.

May 27, 2009

The Canadarm2 successfully performs its cosmic catch on an unpiloted, free-flying Japanese vehicle.

Sept. 17, 2009

The CSA launches the final stage of Canada's RADARSAT Constellation project.

Jan. 9, 2013

The CSA launches Cascade Smallsat and Ionospheric Polar Explorer (CASSIOPE), a Canadian hybrid satellite.

Sept. 29, 2013

