

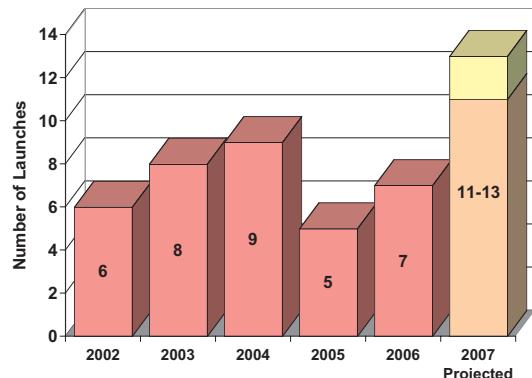
SEVEN FAA-LICENSED ORBITAL LAUNCHES AND SIX PERMITTED FLIGHTS IN 2006

In 2006 the Federal Aviation Administration's Office of Commercial Space Transportation (FAA/AST) licensed seven orbital launches valued at approximately \$490 million, all of which were successful, including:

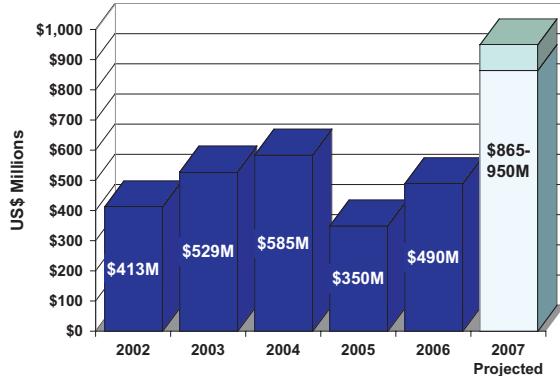
- Five Zenit 3SL vehicles carrying Echostar X, JCSAT 9, Galaxy 16, Koreasat 5, and XM 4 from Sea Launch's Odyssey Launch Platform in the Pacific Ocean, all to geosynchronous orbit (GEO);
- One Atlas 5 vehicle carrying Astra 1KR launched from Cape Canaveral Air Force Station (CCAFS) to GEO; and
- One Delta 4 vehicle carrying GOES 13 launched from CCAFS to GEO.

The total number of FAA-licensed orbital launches in 2006 increased from 2005 when there were five launches. The number of orbital launches is expected to continue increasing in 2007, with between 11 and 13 projected to occur. There were no FAA-licensed suborbital launches in 2006, but the first flights under FAA experimental permits occurred. Six permitted suborbital flights were conducted in 2006.

FAA-Licensed Commercial Orbital Launches

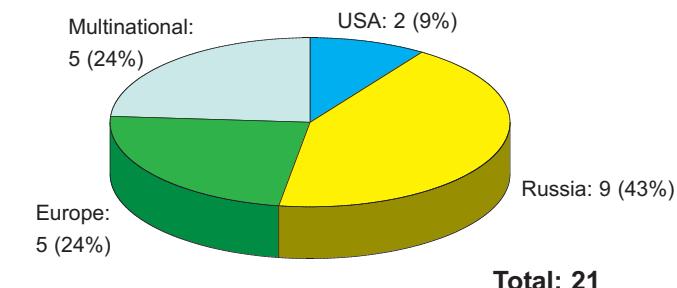


FAA-Licensed Commercial Orbital Launch Revenues



WORLDWIDE ORBITAL COMMERCIAL LAUNCH MARKET SHARE FOR 2006

The United States and Sea Launch together captured 33 percent of the worldwide commercial launch market in 2006, a five percent increase from 2005. Russia led the market with a 43 percent share in 2006, although one Proton launch failed. Europe's 24 percent share was similar to 2005 when they also had five launches.



FIVE-YEAR ORBITAL COMMERCIAL LAUNCH TRENDS WORLDWIDE

Twenty one commercial orbital launches occurred in 2006, which is above the average number of about 19 launches per year for the past five years. During the 2002-2006 period, there was an average of about 15 commercial launches to GEO per year, with a low of 13 in 2003 and 2004 and a high of 20 in 2002. The number of commercial launches to non-geosynchronous orbits (NGSO) from 2002 through 2006 averaged just under four per year, with a low of two launches in 2004 and a high of five in 2002 and 2006.

FAA-LICENSED VEHICLES LAUNCHED IN 2006

	United States	Multinational
Vehicle		
2006 Total Launches	Delta 4	Atlas 5
2006 Licensed Launches	3	2
Launch Reliability (2006)	1	1
Launch Reliability (Last 10 Years)	3/3 (100%)	2/2 (100%)
LEO kg (lbs)	7/7 (100%)	8/8 (100%)
GTO kg (lbs)	12,120 (26,719)	12,500 (27,558)
	15,246 (33,541)	6,100 (13,436)

Federal Aviation Administration

Office of Commercial Space
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800 Independence Ave., S.W.
Room 331
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WORLDWIDE COMMERCIAL LAUNCH EVENTS IN 2006

Date	Vehicle	Site	Payload(s)	Operator	Manufacturer	Use	L	M
United States								
4/20/2006	✓ V	Atlas 5 411 CCAFS	* Astra 1KR	SES Astra	Lockheed Martin Commercial Space Systems (LMCSS)	Communications	S	S
5/24/2006	✓ V	Delta 4 Medium- CCAFS Plus (4,2)	GOES 13	National Oceanic and Atmospheric Administration (NOAA)	The Boeing Company	Meteorological	S	S
Europe								
3/11/2006	Ariane 5 ECA	Kourou	* Hot Bird 7A SpainSat	Eutelsat Hisdesat SA	Alcatel Alenia Space Space Systems/Loral	Communications	S	S
5/27/2006	Ariane 5 ECA	Kourou	* SatMex 6 * Thaicom 5	Satellites Mexicanos S.A. de Shin Satellite Public Co.	Space Systems/Loral Alcatel Alenia Space	Communications	S	S
8/11/2006	Ariane 5 ECA	Kourou	* JCSAT 10 Syracuse 3B	Japan Satellite Systems (JSAT) Delegation Generale pour l'Armement (DGA)	LMCSS Alcatel Alenia Space	Communications	S	S
10/13/2006	Ariane 5 ECA	Kourou	* DirectTV 9S * Optus D1 LDREX 2	DirecTV, Inc. Singtel/Optus Japan Aerospace Exploration Agency (JAXA)	Space Systems/Loral Orbital Sciences JAXA	Communications	S	S
12/8/2006	Ariane 5 ECA	Kourou	* WildBlue 1 * AMC 18	WildBlue Communications, Inc. SES Americom	Space Systems/Loral LMCSS	Communications	S	S
Russia								
3/1/2006	Proton M	Baikonur	* Arabsat 4A	Arab Satellite Communications Organization (Arabsat)	European Aeronautic Defense and Space Company (EADS) Astrium	Communications	F	F
4/25/2006	START 1	Svobodny	* EROS B	Imagesat International N.V.	Israel Aircraft Industries	Remote Sensing	S	S
7/12/2006	Dnepr 1	Dombarovskiy	* Genesis Pathfinder 1	Bigelow Aerospace	Bigelow Aerospace	Development	S	S
7/28/2006	Rockot	Plesetsk	Kompsat 2	Korea Aerospace Research Institute (KARI)	KARI	Remote Sensing	S	S
8/5/2006	Proton M	Baikonur	* Hot Bird 8	Eutelsat	EADS Astrium	Communications	S	S
11/9/2006	Proton M	Baikonur	* BADR-4	Arabsat	EADS Astrium	Communications	S	S
12/12/2006	Proton M	Baikonur	* Measat 3	MEASAT Satellite Systems Sdn. Bhd.	Boeing Satellite Systems	Communications	S	S
12/19/2006	Kosmos 3M	Plesetsk	SAR Lupe 1	German Defense Ministry	OHB System	Intelligence	S	S
12/27/2006	Soyuz 2 1B	Baikonur	Corot	Centre National d'Etudes Spatiales (CNES)	Alcatel Alenia Space	Scientific	S	S
Multinational								
2/15/2006	✓ V	Zenit 3SL Odyssey Launch Platform	* Echostar X	Echostar Communications Corporation	LMCSS	Communications	S	S
4/12/2006	✓ V	Zenit 3SL Odyssey Launch Platform	* JCSAT 9	JSAT	LMCSS	Communications	S	S
6/18/2006	✓ V	Zenit 3SL Odyssey Launch Platform	* Galaxy 16	Intelsat	Space Systems/Loral	Communications	S	S
8/21/2006	✓ V	Zenit 3SL Odyssey Launch Platform	* Koreasat 5	Korea Telecom	Alcatel Alenia Space	Communications	S	S
10/30/2006	✓ V	Zenit 3SL Odyssey Launch Platform	* XM 4	XM Satellite Radio, Inc.	Boeing Satellite Systems	Communications	S	S

* Denotes a commercial payload, defined as a spacecraft which serves a commercial function or is operated by a commercial entity.

✓ Denotes a commercial launch licensed by the Federal Aviation Administration's Office of Commercial Space Transportation (FAA/AST).

L Denotes launch outcome (S-success, F-failure, and P-partial). M denotes mission outcome (S-success, F-failure, and P-partial).

Note: All prices are estimates.

2006 FAA EXPERIMENTAL PERMIT FLIGHT ACTIVITY

Date	Operator	Vehicle	Site
10/19/2006	Armadillo Aerospace	Pixel	Las Cruces International Airport, NM
10/20/2006	Armadillo Aerospace	Pixel	Las Cruces International Airport, NM
10/21/2006	Armadillo Aerospace	Pixel	Las Cruces International Airport, NM
10/21/2006	Armadillo Aerospace	Pixel	Las Cruces International Airport, NM
10/21/2006	Armadillo Aerospace	Pixel	Las Cruces International Airport, NM
11/13/2006	Blue Origin	Goddard	West Texas Launch Site, TX