Federal Aviation Administration

Office of the Associate Administrator for Commercial Space Transportation 800 Independence Ave., S.W. Room 331

Washington, DC 20591



SPECIAL EDITION

October 30, 2003

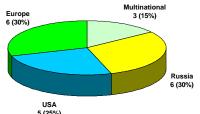
EIGHT FAA-LICENSED LAUNCHES IN FY2003

In FY2003, the Federal Aviation Administration's (FAA) Office of the Associate Administrator for Commercial Space Transportation (AST) licensed eight orbital launches valued at approximately \$536 million, including:

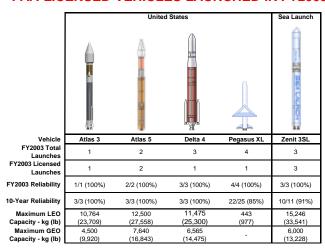
- Three launches conducted by the multinational Sea Launch service provider;
- Two flights out of Cape Canaveral Spaceport using the Atlas 5 series launch vehicles; and
- One launch each of the Atlas 3B, Delta 4 Medium Plus (4,2), and Pegasus XL.

The orbital launch count is higher than the total of six for each of the past two years, but 44 percent less than the number of launches in FY1999 (18 launches). A period of leveling off can be seen after the drying up of demand for commercial LEO launch services, with a slight increase in the number of launches in FY2003. This increase is expected to continue through FY2004 with ten projected orbital commercial launches, including five Sea Launch Zenit 3SL vehicles, two Atlas 2AS vehicles, two Atlas 3 vehicles, and a Taurus.

Worldwide Distribution of Orbital Commercial Launches in FY2003



FAA-LICENSED VEHICLES LAUNCHED IN FY2003

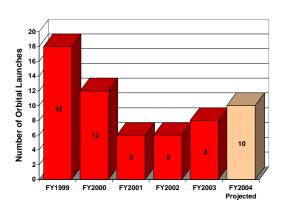


FIVE-YEAR ORBITAL COMMERCIAL LAUNCH TRENDS WORLDWIDE

During the FY1999-FY2003 period, there was an average of 18 commercial launches worldwide to geosynchronous orbit (GSO) per fiscal year, with a low of 16 in FY2002 and FY2003 and a high of 23 in FY1999. There was a low of four commercial launches to non-geosynchronous orbits (NGSO) in both FY2002 and FY2003 and a high of 18 in FY1999.

Twenty commercial launches occurred in FY2003, lower than the average of 28 launches per fiscal year during the five-year period. The U.S. (including Sea Launch) conducted an average of ten commercial launches per year during the five-year period. Russia has averaged about eight commercial launches per fiscal year during the same period. Europe has conducted an average of nine launches per fiscal year since FY1999.

FAA-Licensed Commercial Orbital Launch Trend



U.S. Commercial Orbital Launch Revenue Trend



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WORLDWIDE ORBITAL COMMERCIAL LAUNCH EVENTS IN FY2003

Date	٧	/ehicle	Site	Payload(s)	Operator	Manufacturer	Use	CommI Price	LM
United									
States									
11/20/2002		Plus (4,2)	CCAFS	* Eutelsat W5	Eutelsat	Alcatel Espace	Communications	\$77.5M	S S
4/11/2003	y A	Atlas 3B	CCAFS	* AsiaSat 4	Asia Satellite Telecommunications Co. (Asiasat)	Boeing	Communications	\$70M	s s
5/13/2003	√ A	Atlas 5 401	CCAFS	* Hellas-Sat 2	Hellas Sat Consortium, Ltd.	Astrium	Communications	\$70M	S S
6/26/2003	√ P	Pegasus XL	VAFB	* OrbView 3	ORBIMAGE	Orbital Sciences Corp.	Remote Sensing	\$16M	s s
7/17/2003	√ A	Atlas 5 521	CCAFS	* Rainbow 1	Cablevision Systems Corporation	Lockheed Martin Corp.	Communications	\$77.5M	S S
Europe									
12/11/2002	Α	Ariane 5 ECA	Kourou	* Hot Bird 7	Eutelsat	Astrium	Communications	\$140M	F
				Stentor	Centre National d'Etudes Spatiales (CNES)	Astrium	Communications		FF
12/17/2002		Ariane 44L	Kourou	* NSS 6	New Skies Satellites N.V.	Lockheed Martin Corp.	Communications	\$105M	S S
2/15/2003		Ariane 44L	Kourou	* Intelsat 907	Intelsat	Space Systems/Loral	Communications	\$105M	SS
4/9/2003	A	Ariane 5G	Kourou	* Insat 3A * Galaxy 12	Indian Space Research Organization (ISRO) Pan American Satellite Corp.	Indian Space Research Organization (ISRO) Orbital Sciences Corp.	Communications Communications	\$140M	s s
6/11/2003	Δ	Ariane 5G	Kourou	* Optus C1	Optus Communications Pty. Ltd.	Space Systems/Loral	Communications	\$140M	S S
0/11/2000	,	mane oo	Roulou	* BSat 2C	Broadcasting Satellite System Corp. (BSAT)	Orbital Sciences Corp.	Communications	ψ1+OW	s
9/27/2003	Α	Ariane 5G	Kourou	* Insat 3E	Indian Space Research Organization (ISRO)	Indian Space Research Organization (ISRO)	Communications	\$140M	s s
				* eBird	Eutelsat	Boeing	Communications		S
				SMART 1	European Space Agency (ESA)	Swedish Space Corp.	Development		S
Russia									
11/26/2002 12/20/2002		Proton K Onepr 1	Baikonur Svobodny	* Astra 1K * LatinSat 1	SES Astra Aprize Satellite Argentina	Alcatel Espace Aprize Satellite of Argentina	Communications Communications	\$72.5M \$9.5M	F F S S
12/20/2002		лерг і	Svobourly	* LatinSat 2	Aprize Satellite Argentina Aprize Satellite Argentina	Aprize Satellite of Argentina	Communications	φ 9 .5ivi	S
				Rubin 2	OHB-System	Carlo Gavazzi Space	Development		s
				SaudiSat 2	Riyadh Space Research Institute	Space Research Institute	Development		S
				Simulator	TransOrbital, Inc.	TransOrbital, Inc.	Development		S
				Unisat 2	University of Rome	GAUSS	Development		S
12/29/2002		Proton M	Baikonur	* Nimiq 2	Telesat Canada	Lockheed Martin Corp.	Communications	\$85M	S S S S
6/2/2003	5	Soyuz	Baikonur	Mars Express Orbiter Beagle 2	European Space Agency (ESA) European Space Agency (ESA)	Astrium Astrium	Scientific Scientific	\$40M	5 5
6/7/2003	P	Proton K	Baikonur	* AMC 9	SES Americom	Alcatel Espace	Communications	\$72.5M	S S
9/27/2003		Cosmos	Plesetsk	Kaistsat 4	Korean Advanced Institute of Science	Korean Advanced Institute of	Scientific	\$12M	SS
				BilSat 1	and Technology Turkish Military	Science and Technology Surrey Satellite Technology	Remote Sensing	,	s
				BNSCSat	British National Space Centre	Surrey Satellite Technology	Remote Sensing		s
				Larets	Russia - TBA	Russia - TBA	Scientific		s
				Mozhayets 4	Mozhaiskiy Military Space Engineering Academy	Mozhaiskiy Military Space Engineering Academy	Development		S
				NigeriaSat 1	Nigeria	Surrey Satellite Technology	Remote Sensing		S
				Rubin 4-DSI	Carlo Gavazzi Space	Carlo Gavazzi Space	Development		S
Multi-									
national									
6/10/2003	√ Z	Zenit 3SL	Odyssey Launch Platform	* Thuraya 2	Thuraya Satellite Communciations Company	Boeing	Communications	\$75M	S S
8/7/2003	1 7	Zenit 3SL	Odyssey	* EchoStar 9	Echostar Communications Corporation	Space Systems/Loral	Communications	\$75M	s s
	v -		Launch Platform	_3.100.01.0	Onimamodicine Corporation	2,333 0,300,0020,00	2 2.1111011100110110	ψ. σ	
9/30/2003	√ Z	Zenit 3SL	Odyssey	* Galaxy 13	Horizons	Boeing	Communications	\$75M	S S
			Launch Platform						

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

V Denotes a commercial launch licensed by the Federal Aviation Administration's (FAA) Office of the Associate Administrator for Commercial Space Transportation (AST)

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