

EXHIBIT 2i. 2005 Worldwide Orbital Launch Events

DATE	VEHICLE	SITE	PAYLOAD(S)	ORBIT	OPERATOR	MANUFACTURER	USE	COMML PRICE	L	M
1/12/2005	Delta 2 7925H	Cape Canaveral AFS (CCAFS)	Deep Impact	EXT	Jet Propulsion Laboratory (JPL)	Ball Aerospace & Technologies Corp.	Scientific		S	S
1/20/2005	Kosmos 3M	Plesetsk	Kosmos 2414	LEO	Russian Ministry of Defense (MoD)	NPO Prikladnoy Mekhaniki	Navigation		S	S
			Tatiana	LEO	Lomonosov Moscow State University	Lomonosov Moscow State University	Development		S	S
2/2/2005	V Proton M	Baikonur	*AMC 12	GEO	SES Americom	Alcatel Espace	Communications	\$70M	S	S
2/3/2005	Atlas 3B	CCAFS	USA 181	LEO	National Reconnaissance Office (NRO)	Classified	Intelligence		S	S
2/12/2005	V Ariane 5 ECA	Kourou	*XTAR EUR	GEO	XTAR Arianespace European Space Agency (ESA)	Space Systems/Loral EADS Dutch Space	Communications Test Development	\$70M	S	S
			MaqSat B2	MEO					S	S
			Sloshsat-FLEVO	MEO					S	S
2/26/2005	H 2A 2022	Tanegashima	MTSat 1R	GEO	Japan Aerospace Exploration Agency (JAXA)	Space Systems/Loral	Navigation		S	S
2/28/2005	V Zenit 3SL	Odyssey Launch Platform	*XM 3	GEO	XM Satellite Radio, Inc.	The Boeing Company	Communications	\$70M	S	S
2/28/2005	Soyuz	Baikonur	Progress ISS 17P	LEO	Russian Space Agency (Roscosmos)	RSC Energia	ISS		S	S
			Tekhnologiya-42	LEO		Space Research Institute (IKI)	Development		S	S
3/11/2005	V Atlas 5 431	CCAFS	*Inmarsat-4 F1	GEO	Inmarsat	Astrium	Communications	\$70M	S	S
3/29/2005	Proton K	Baikonur	*Express AM2	GEO	Russian Satellite Communications Co.	NPO Prikladnoy Mekhaniki	Communications		S	S
4/11/2005	Minotaur	Vandenberg AFB (VAFB)	XSS-11	LEO	United States Air Force (USAF)	Lockheed Martin Corp.	Development		S	S
4/12/2005	Long March 3B	Xichang	*APStar 6	GEO	APT Satellite Co., Ltd.	Alcatel Espace	Communications		S	S
4/15/2005	Soyuz	Baikonur	Soyuz ISS 10S	LEO	Roscosmos	RSC Energia	ISS		S	S
4/15/2005	Pegasus XL	VAFB	DART	LEO	National Aeronautics and Space Administration (NASA)	Orbital Sciences Corp.	Development		S	F
4/26/2005	V Zenit 3SL	Odyssey Launch Platform	*Spaceway 1	GEO	Hughes Network Systems	The Boeing Company	Communications	\$70M	S	S
4/29/2005	Titan 4B	CCAFS	USA 182	ELI	NRO	Classified	Intelligence		S	S
5/5/2005	PSLV	Satish Dhawan Space Center	Cartosat 1	LEO	Indian Space Research Organization (ISRO)	ISRO	Remote Sensing		S	S
			Hamsat	LEO		Amsat India	Development		S	S
5/20/2005	Delta 2 7320	VAFB	NOAA N	LEO	National Oceanic and Atmospheric Administration (NOAA)	Lockheed Martin Corp.	Meteorological		S	S
5/22/2005	V Proton M	Baikonur	*DirecTV 8	GEO	DirecTV, Inc.	Space Systems/Loral	Communications	\$70M	S	S
5/31/2005	Soyuz	Baikonur	Foton M2	LEO	European Space Agency	TsSKB Progress	Scientific		S	S
6/17/2005	Soyuz	Baikonur	Progress ISS 18P	LEO	Roscosmos	RSC Energia	ISS		S	S
6/21/2005	V Volna	Barents Sea	Cosmos 1	LEO	The Planetary Society	NPO Lavotchkin	Development		F	F
6/21/2005	Molniya	Plesetsk	Molniya 3K	LEO	Roscosmos	NPO Prikladnoy Mekhaniki	Communications	\$1.15M	F	F
6/23/2005	V Zenit 3SL	Odyssey Launch Platform	*Intelsat Americas 8	GEO	Intelsat	Space Systems/Loral	Communications	\$70M	S	S
6/24/2005	Proton K	Baikonur	*Express AM3	GEO	Russian Satellite Communications Co.	NPO Prikladnoy Mekhaniki	Communications		S	S
7/6/2005	Long March 2D	Jiuquan	SJ 7	LEO	China Academy of Space Technology (CAST)	CAST	Development		S	S
7/10/2005	M 5	Uchinoura	Astro-E2	LEO	JAXA	JAXA	Scientific		S	S
7/26/2005	Shuttle Discovery	Kennedy Space Center	STS 114	LEO	NASA	Rockwell International	Crewed		S	S
			ISS LF-1	LEO	NASA	The Boeing Company	ISS		S	S
8/2/2005	Long March 2C	Jiuquan	FSW 21	LEO	China National Space Administration (CNSA)	Chinese Academy of Sciences	Scientific		S	S
8/11/2005	V Ariane 5G	Kourou	*Thaicom 4 (IPstar)	GEO	Shin Satellite Public Co.	Space Systems/Loral	Communications	\$140M	S	S
8/12/2005	Atlas 5 401	CCAFS	Mars Reconnaissance Orbiter	EXT	JPL	Lockheed Martin Corp.	Scientific		S	S
8/14/2005	V Soyuz	Baikonur	*Galaxy 14	GEO	Pan American Satellite Corp.	Orbital Sciences Corp.	Communications	\$40M	S	S

V Denotes commercial launch, defined as a launch that is internationally competed or FAA-licensed, or privately-financed launch activity.
 * Denotes a commercial payload, defined as a spacecraft that serves a commercial function or is operated by a commercial entity.
 Source: FAA, AST. Format modified. See endnote 13.

EXHIBIT 2i. 2005 Worldwide Orbital Launch Events (continued)

DATE	VEHICLE	SITE	PAYLOAD(S)	ORBIT	OPERATOR	MANUFACTURER	USE	COMML PRICE	L	M
8/23/2005	Dnepr 1	Baikonur	Kirari (OICETS) Reimei (INDEX)	LEO LEO	JAXA JAXA	NEC Corp. Mitsubishi Electric Corp.	Scientific Scientific		S S	S S
8/26/2005	Rocket	Plesetsk	Monitor E1	LEO	Roscosmos	Khronichev State Research and Production Space Center	Remote Sensing		S	S
8/29/2005	Long March 2D	Jiuquan	FSW 22	LEO	CAST	CAST	Scientific		S	S
9/2/2005	Soyuz	Baikonur	Kosmos 2415	LEO	Russian MoD	TsSKB Progress	Intelligence		S	S
9/8/2005	Soyuz	Baikonur	Progress ISS 19P	LEO	Roscosmos	RSC Energia	ISS		S	S
9/9/2005	V Proton M	Baikonur	*Anik F1R	GEO	Telesat Canada	Astrium	Communications	\$70M	S	S
9/22/2005	Minotaur	VAFB	STP R1	LEO	USAF	USAF Research Laboratory	Development		S	S
9/25/2005	Delta 2 7925-10	CCAFS	Navstar GPS 2RM-1	MEO	USAF	Lockheed Martin Corp.	Navigation		S	S
10/1/2005	Soyuz	Baikonur	Soyuz ISS 11S	LEO	Roscosmos	RSC Energia	ISS		S	S
10/8/2005	V Rocket	Plesetsk	Cryosat	LEO	ESA	Astrium	Remote Sensing	\$13.5M	F	F
10/12/2005	Long March 2F	Jiuquan	Shenzhou 6	LEO	CNSA	Shanghai Academy of Spaceflight Technology	Crewed		S	S
10/13/2005	V Ariane 5G	Kourou	Syracuse 3 A	GEO	Delegation Generale pour l'Armement (DGA)	Alcatel Espace	Communications	\$70M	S	S
			*Galaxy 15	GEO	Pan American Satellite Corp.	Orbital Sciences Corp.	Communications		S	S
10/19/2005	Titan 4B	VAFB	USA 186	LEO	NRO	Lockheed Martin Corp.	Intelligence		S	S
10/27/2005	V Kosmos 3M	Plesetsk	Beijing 1	LEO	Beijing Landview Mapping Information Technology Ltd.	Surrey Satellite Technology Ltd.	Remote Sensing	\$12M	S	S
			Mozhayets 5	LEO	Mozhaiskiy Military Space Engineering Academy	Mozhaiskiy Military Space Engineering Academy	Development		S	S
			Ncube-2	LEO	Norwegian Student Satellite Project	Norwegian Student Satellite Project	Development		S	S
			Rubin 5	LEO	OHB System	OHB System	Development		S	S
			Sinah-1	LEO	Iran MoD	AKO Polyot	Intelligence		S	S
			SSETI Express	LEO	Aalborg University	ESA	Development		S	S
			Topsat	LEO	British MoD	Surrey Satellite Technology Ltd.	Development		S	S
			UWE-1	LEO	University of Wurzburg	University of Wurzburg	Scientific		S	S
			XI-V	LEO	University of Tokyo	University of Tokyo	Development		S	S
11/8/2005	V Zenit 3SL	Odyssey Launch Platform	*Inmarsat-4 F2	GEO	Inmarsat	Astrium	Communications	\$70M	S	S
11/9/2005	Soyuz	Baikonur	Venus Express	EXT	ESA	Astrium	Scientific		S	S
11/16/2005	V Ariane 5 ECA	Kourou	*Spaceway 2	GEO	Hughes Network Systems	The Boeing Company	Communications	\$140M	S	S
			*Telkom 2	GEO	PT Telekomunikasi	Orbital Sciences Corp.	Communications		S	S
12/21/2005	V Ariane 5G	Kourou	*Insat 4A	GEO	ISRO	ISRO	Communications	\$70M	S	S
			MSG 2	GEO	Eumetsat	Alcatel Espace	Meteorological		S	S
12/21/2005	Soyuz	Baikonur	Progress ISS 20P	LEO	Roscosmos	RSC Energia	ISS		S	S
12/21/2005	Kosmos 3M	Plesetsk	*Gonets D1M 1	LEO	Smolsat	NPO Prikladnoy Mekhaniki	Communications		S	S
			Kosmos 2416	LEO	Russian MoD	NPO Prikladnoy Mekhaniki	Communications		S	S
12/25/2005	Proton K	Baikonur	Glonass K R1	MEO	Russian MoD	NPO Prikladnoy Mekhaniki	Navigation		S	S
			Glonass K R2	MEO	Russian MoD	NPO Prikladnoy Mekhaniki	Navigation		S	S
			Glonass K R3	MEO	Russian MoD	NPO Prikladnoy Mekhaniki	Navigation		S	S
12/28/2005	Soyuz	Baikonur	GIOVE A	MEO	ESA	Surrey Satellite Technology Ltd.	Navigation		S	S
12/29/2005	V Proton M	Baikonur	*AMC 23	GEO	SES Americom	Alcatel Espace	Communications	\$70M	S	S

L and M refer to the outcome of the Launch and Mission: S = success, P = partial success, F = failure.
 Note: All launch dates are based on local time at the launch site. Note: All prices are estimates.
 Source: FAA, AST. Format modified. See endnote 13.

EXT = External Orbit. GEO = Geosynchronous Orbit. MEO = Medium Earth Orbit.
 LEO = Low Earth Orbit. Explanations of these terms can be found on page 37.