

Tabella riassuntiva della situazione dei veicoli di esplorazione attivi - Dati aggiornati al 30 ottobre 2011.

Catalogo	Sonda	Nazione	Data di lancio	Sito di lancio	Veicolo	Codice	Durata della missione [anni]	Distanza dalla Terra	Posizione	Centro dell'orbita	Periastro x Apocastro	Inclinazione	Periodo: $\frac{Y}{-}$ -years $\frac{d}{-}$ -days $\frac{m}{-}$ -minutes	RCS = Radar Cross Section	Missione principale	Massa [kg]	Termine vita prevista	Spiegazione acronimi - Note
10271	Voyager 2	USA	20/08/1977	Cape Canaveral	Titan III/E	1977-076A	34,19	97,042 UA	---	Sole	---	---	---	---	Esplorazione	721,9	2025	---
10321	Voyager 1	USA	05/09/1977	Cape Canaveral	Titan III/E	1977-084A	34,15	119,307 UA	Eliopausa	Sole	---	---	---	---	Esplorazione	721,9	2025	---
11004	ISEE 3 (ICE)	USA	12/08/1978	Cape Canaveral	Delta	1978-079A	33,22	---	---	Sole	0,93 x 1,03 UA	0,1°	355 d	---	Osservazione vento solare	390,0	2040	International Sun-Earth Explorer (International Cometary Explorer)
20580	Hubble Space Telescope	USA	24/04/1990	Cape Canaveral	Shuttle Discovery	1990-037B	21,52	---	LEO	Terra	559 x 564 km	28,47°	95,89 m	23,4502 m ²	Astronomia ottica	11'110,0	---	---
23333	Wind (GGS)	USA	01/11/1994	Cape Canaveral	Delta II	1994-071A	16,99	1'500'000 km	Terra Sole L1	Sole	---	---	1 y	---	Osservazione vento solare	985,0	---	Global Geospace Science
23726	SOHO	ESA	02/12/1995	Cape Canaveral	Atlas IIAS	1995-065A	15,91	1'500'000 km	Terra Sole L1	Sole	---	---	1 y	---	Osservazione solare	1'850,0	---	Solar and Helioscopic Observatory
23757	RXTE	USA	30/12/1995	Cape Canaveral	Delta II	1995-074A	15,83	---	LEO	Terra	467 x 477 km	22,99°	94,04 m	6,102 m ²	Astronomia a raggi-X	3'200,0	---	Rossi X-ray Timing Explorer
24912	ACE	USA	25/08/1997	Cape Canaveral	Delta II	1997-045A	14,18	1'500'000 km	Terra Sole L1	L1	179 x 1'256'768 km	28,7°	1398 h	---	Analisi vento solare	596,0	2024	Advanced Composition Explorer
25008	Cassini	USA	15/10/1997	Cape Canaveral	Titan IVB	1997-061A	14,04	10,623 UA	---	Saturno	197'150 x 2'434'149 km	---	---	---	Esplorazione	2'150,0	2017	---
25280	TRACE	USA	02/04/1998	Vandenberg	Pegasus XL	1998-020A	13,58	---	LEO	Terra	550 x 583 km	97,6°	96 m	1,0877 m ²	Osservazione corona solare	250,0	---	Transition Region and Coronal Explorer
25867	Chandra (CXO)	USA	23/07/1999	Cape Canaveral	Shuttle Columbia	1999-040B	12,27	---	MEO-HEO	Terra	4075 x 144735 km	70,43°	3808,39 m	10 m ²	Astronomia a raggi-X	4'790,0	---	Chandra X-ray Observatory
25989	XMM-Newton	ESA	10/12/1999	Kourou	Ariane 5	1999-066A	11,89	---	MEO-HEO	Terra	16748 x 104369 km	62,44°	2872,46 m	25,1189 m ²	Astronomia a raggi-X	3'800,0	---	X-ray Multi-Mirror Mission - Newton
28410	Cluster II / FM6 Salsa	ESA	16/07/2000	Baikonur	Soyuz	2000-041A	11,29	---	MEO-HEO	Terra	3124 x 129652 km	140,6°	3255,78 m	0,3981 m ²	Magnetosfera e vento solare	1'200,0	---	---
28411	Cluster II / FM7 Samba	ESA	16/07/2000	Baikonur	Soyuz	2000-041B	11,29	---	MEO-HEO	Terra	3123 x 129653 km	140,61°	3255,76 m	5,0119 m ²	Magnetosfera e vento solare	1'200,0	---	---
28463	Cluster II / FM5 Rumba	ESA	09/08/2000	Baikonur	Soyuz	2000-045A	11,22	---	MEO-HEO	Terra	3933 x 128843 km	142,53°	3255,79 m	3,1623 m ²	Magnetosfera e vento solare	1'200,0	---	---
28464	Cluster II / FM8 Tango	ESA	09/08/2000	Baikonur	Soyuz	2000-045B	11,22	---	LEO-HEO	Terra	973 x 131792 km	140,49°	3255,42 m	6,3096 m ²	Magnetosfera e vento solare	1'200,0	---	---
28561	HETE-2	USA	09/10/2000	Kwajalein	Pegasus	2000-061A	11,06	---	LEO	Terra	560 x 591 km	1,95°	96,19 m	0,3162 m ²	Astronomia raggi Gamma	123,8	---	High Energy Transient Explorer
28702	Odin	Svezia	20/02/2001	Svobodny	Start-1	2001-007A	10,69	---	LEO	Terra	573 x 580 km	97,66°	96,21 m	0,863 m ²	Astronomia microonde	250,0	---	---
28734	Mars Odyssey	USA	07/04/2001	Cape Canaveral	Delta II	2001-013A	10,56	1,598 UA	---	Marte	387 x 450 km	93,2°	120 m	---	Esplorazione marziana	725,0	---	---
27540	InteGRAL	ESA	17/10/2002	Baikonur	Proton-K	2002-048A	9,03	---	MEO-HEO	Terra	3023 x 159637 km	72,94°	4308,44 m	0,8 m ²	Astronomia raggi Gamma	4'000,0	---	INTErnational Gamma-Ray Astrophysics Laboratory
27640	Conolis	USA	06/01/2003	Vandenberg	Titan II	2003-001A	8,81	---	LEO	Terra	820 x 841 km	98,76°	101,52 m	6,0135 m ²	Osservazione corona solare	828,0	---	---
27643	CHIPS	USA	13/01/2003	Vandenberg	Delta II 7320-10	2003-002B	8,79	---	LEO	Terra	565 x 579 km	94,03°	96,1 m	0,3084 m ²	Astronomia del Plasma Interstellare	64,0	2013	Cosmic Hot Interstellar Plasma Spectrometer
27783	GalEX	USA	28/04/2003	Cape Canaveral	Pegasus XL	2003-017A	8,51	---	LEO	Terra	690 x 696 km	29°	98,62 m	1,5512 m ²	Astronomia ultravioletta	280,0	---	Galaxy Evolution Explorer
27816	Mars Express	ESA	02/06/2003	Baikonur	Soyuz-FG	2003-022A	8,41	1,598 UA	---	Marte	298 x 1'010'7 km	86,3°	450 m	---	Esplorazione marziana	1'123,0	2012	---
27843	MOST	Canada	30/06/2003	Plesetsk	Rocket	2003-031D	8,33	---	LEO	Terra	818 x 832 km	98,72°	101,39 m	0,292 m ²	Astronomia ad alta precisione	53,0	---	Microvariability and Oscillations of STars
27849	Opportunity (MER B)	USA	08/07/2003	Cape Canaveral	Delta II	2003-032A	8,31	0,978 UA	Superficie	Marte	---	---	---	---	Esplorazione marziana	185,0	---	Mars Exploration Rover
27871	Spitzer (SIRTF)	USA	25/08/2003	Cape Canaveral	Delta II 7920H ELV	2003-038A	8,18	0,978 UA	---	Sole	0,98 x 1,02 UA	---	365,25 d	15 m ²	Astronomia infrarossa	950,0	---	Space InfraRed Telescope Facility
27945	KAISTSat	S. Corea	27/09/2003	Plesetsk	Kosmos 3M	2003-042G	8,09	---	LEO	Terra	674 x 691 km	97,83°	98,41 m	0,671 m ²	Astronomia ultravioletta	106,0	---	Korea Advanced Institute of Science and Technology Satellite 4
28169	Rosetta	ESA	02/03/2004	Kourou	Ariane 5G+	2004-006A	7,66	3,726 UA	---	Sole	---	---	---	---	Esplorazione cometaria	3'000,0	2015	---
28391	MESSENGER	USA	03/08/2004	Cape Canaveral	Delta II 7925H-9.5	2004-030A	7,24	1,265 UA	---	Mercurio	200 x 15'000 km	---	720 m	---	Esplorazione Mercurio	1'093,0	---	Mercury Surface, Space ENvironment, GEochemistry and Ranging
28485	Swift	USA	20/11/2004	Cape Canaveral	Delta II 7320-10C	2004-047A	6,94	---	LEO	Terra	577 x 596 km	20,56°	96,4 m	8,7276 m ²	Astronomia raggi Gamma	1'470,0	---	Swift Gamma-Ray Burst Mission
28517	Deep Impact (EPOXI)	USA	12/01/2005	Cape Canaveral	Delta II 7925	2005-001A	6,80	0,785 UA	---	Sole	0,975 x 1,218 UA	---	---	1,58 m ²	Esplorazione cometaria	650,0	2026	Extrasolar Planet Observation and Deep Impact Extended Investigation
28773	Suzaku (Astro-E2)	Giappone	10/07/2005	Kagoshima	M-V-6	2005-025A	6,31	---	LEO	Terra	556 x 564 km	31,4°	95,86 m	3,619 m ²	Astronomia a raggi-X	1'600,0	2012	---
28788	MRO	USA	12/08/2005	Cape Canaveral	Atlas V-401	2005-029A	6,21	1,598 UA	---	Marte	225 x 320 km	93°	---	15,8489 m ²	Esplorazione marziana	2'180,0	---	Mars Reconnaissance Orbiter
28901	Venus Express	ESA	09/11/2005	Baikonur	Soyuz-FG	2005-045A	5,97	1,581 UA	---	Venere	223 x 66589 km	90,1°	1440 m	---	Esplorazione Venere	1'270,0	2012	---
28928	New Horizons	USA	19/01/2006	Cape Canaveral	Atlas V 551	2006-001A	5,78	21,878 UA	---	Sole	---	---	---	---	Esplorazione Plutone	478,0	---	---
28939	Akari (Astro-F)	Giappone	21/02/2006	Kagoshima	M-V	2006-005A	5,69	---	LEO	Terra	694 x 707 km	98,26°	98,78 m	3,4345 m ²	Astronomia infrarossa	955,0	---	---
29228	PAMELA (RESURS DK-1)	Russia	15/06/2006	Baikonur	Soyuz-FG	2006-021A	5,37	---	LEO	Terra	564 x 575 km	69,94°	96,06 m	9,199 m ²	Astronomia antimateria	470,0	---	Payload for Antimatter Matter Exploration and Light-nuclei Astrophysics
29479	Hinode (Solar B)	Giappone	22/09/2006	Kagoshima	M-V-7	2006-041A	5,10	---	LEO	Terra	672 x 693 km	98,11°	98,41 m	3,977 m ²	Osservazione solare	700,0	---	In giapponese Hinode= Sorgere
29510	STEREO Ahead	USA	26/10/2006	Cape Canaveral	Delta II 7925-10L	2006-047A	5,01	1,560 UA	---	Sole	0,955 x 0,967 UA	---	346 d	---	Osservazione solare	620,0	---	Solar TErrestrial Relations Observatory
29511	STEREO Behind	USA	26/10/2006	Cape Canaveral	Delta II 7925-10L	2006-047B	5,01	1,609 UA	---	Sole	0,999 x 1,086 UA	---	388 d	---	Osservazione solare	620,0	---	Solar TErrestrial Relations Observatory
29678	COROT	Francia	27/12/2006	Baikonur	Soyuz 2.1b	2006-063A	4,84	---	LEO	Terra	897 x 903 km	90,01°	102,99 m	2,715 m ²	Osservazione pianeti extrasolari	630,0	---	Convection ROTation and planetary Transits
30581	Artemis P1 (THEMIS B)	USA	17/02/2007	Cape Canaveral	Delta II 7925	2007-004B	4,70	---	---	Terra	---	---	---	0,7943 m ²	Magnetosfera terrestre	77,0	---	Acceleration, Reconnection, Turbulence and Electrodynamics...
30582	Artemis P2 (THEMIS C)	USA	17/02/2007	Cape Canaveral	Delta II 7925	2007-004C	4,70	---	---	Terra	---	---	---	0,631 m ²	Magnetosfera terrestre	77,0	---	...of the Moon's Interaction with the Sun
31135	AGILE	Italia	23/04/2007	Sirhanikota	PSLV-C8	2007-013A	4,52	---	LEO	Terra	517 x 545 km	2,47°	95,26 m	0,003 m ²	Astronomia raggi X e Gamma	352,0	---	Astro-rivelatore Gamma a Immagini LEGgero
32249	Dawn	USA	27/09/2007	Cape Canaveral	Delta II 7925H	2007-043A	4,09	2,001 UA	---	Vesta	600 x 3000 km	6,5°	---	---	Esplorazione Asteroidi	1'250,0	---	---
33053	Fermi (GLAST)	USA	11/06/2008	Cape Canaveral	Delta II 7920-H	2008-029A	3,38	---	LEO	Terra	540 x 559 km	25,58°	95,64 m	2,981 m ²	Astronomia raggi Gamma	4'277,0	---	Gamma-ray Large Area Space Telescope
33401	IBEX	USA	19/10/2008	Kwajalein	Pegasus XL	2008-051A	3,03	---	---	Terra	30298 x 308378 km	22,4°	12217,3 m	---	Studio del media interstellare	110,0	---	Interstellar Boundary Explorer
34380	Kepler	USA	07/03/2009	Cape Canaveral	Delta II 7925-10L	2009-011A	2,65	0,338 UA	---	Sole	0,975 x 1,048 UA	---	1 y	---	Ricerca di pianeti di tipo terrestre	1'039,0	---	---
34937	Herschel	ESA	14/05/2009	Kourou	Ariane 5 ECA	2009-026A	2,46	1'669'004 km	Terra Sole L2	Sole	---	---	1 y	---	Astronomia infrarossa	3'300,0	---	---
34938	Planck Surveyor	ESA	14/05/2009	Kourou	Ariane 5 ECA	2009-026B	2,46	1'566'281 km	Terra Sole L2	Sole	---	---	1 y	---	Astronomia microonde	1'800,0	---	---
35315	LRO	USA	18/06/2009	Cape Canaveral	Atlas V 401	2009-031A	2,37	---	---	Luna	30 x 70 km	90°	---	---	Esplorazione lunare	1'846,0	---	Lunar Reconnaissance Orbiter
36119	WISE	USA	14/12/2009	Vandenberg	Delta II 7320-10	2009-071A	1,88	---	LEO	Terra	522 x 525 km	97,52°	95,1 m	2,214 m ²	Astronomia infrarossa	750,0	---	Wide-Field Infrared Survey Explorer
36395	SDO	USA	11/02/2010	Cape Canaveral	Atlas V 401	2010-005A	1,71	---	---	Terra	35776 x 35795 km	27,86°	1436,04 m	6,6994 m ²	Osservazione solare	3'100,0	---	Solar Dynamics Observatory
36576	VCO - Akatsuki (Planet-C)	Giappone	20/05/2010	Tanegashima	H-IIA 202	2010-020D	1,45	---	Verso Venere	Sole	Eliocentrica	---	---	---	Esplorazione Venere	320,0	---	Venus Climate Orbiter
36577	IKAROS	Giappone	20/05/2010	Tanegashima	H-IIA 202	2010-020E	1,45	---	---	Sole	Eliocentrica	---	---	---	Vela solare	310,0	2012	Interplanetary Kite-craft Accelerated by Radiation Of the Sun
36598	Picard	Francia	15/06/2010	Dombrovskij	Dnepr-1	2010-028A	1,37	---	---	---	725 x 729 km	98,29°	99,34 m	0,472 m ²	Studio irradiazione solare	120,0	---	---
36599	Prisma (Manqo)	Svezia	15/06/2010	Dombrovskij	Dnepr-1	2010-028B	1,37	---	---	---	724 x 787 km	98,29°	99,93 m	0,567 m ²	est navigazione - Analisi massa particell	150,0	2011	---
36827	Prisma (Tango)	Svezia	15/06/2010	Dombrovskij	Dnepr-1	2010-028F	1,37	---	---	---	724 x 786 km	98,29°	99,93 m	0,298 m ²	Test navigazione	40,0	2011	---
37174	Chang'E 2	Cina	01/10/2010	Xichang	Lunga Marcia 3C	2010-050A	1,08	---	---	Luna	15 x 100 km	---	---	---	Esplorazione lunare	2'500,0	2012	---
37755	Spektr-R (Radioastron)	Russia	18/07/2011	Baikonur	Zenith 3M	2011-037A	0,28	---	MEO-HEO	Terra	15644 x 316310 km	73,49°	11868,5 m	5,3389 m ²	Radiotelescopio	3'295,0	---	---
37773	Juno	USA	05/08/2011	Cape Canaveral	Atlas V-551	2011-040A	0,24	0,272 UA	Verso Giove	Sole	---	---	---	---	Esplorazione Giove	3'625,0	2017	---
37801	GRAIL A	USA	10/09/2011	Cape Canaveral	Delta II 7920H-10	2011-046A	0,14	1'503'024 km	Verso L1	---	---	---	---	---	Esplorazione lunare	132,6	---	Gravity Recovery and Interior Laboratory
37802	GRAIL B	USA	10/09/2011	Cape Canaveral	Delta II 7920H-10	2011-046B	0,14	1'485'949 km	Verso L1	---	---	---	---	---	Esplorazione lunare	132,6	---	Gravity Recovery and Interior Laboratory