

ID	Satellite	Launch	Power (kW)	Orbit	Status	Solar Array Type
1	ANS	30-08-74	0.1	LEO	Deployed	Body mounted panels
2	IRAS	26-01-83	0.4	LEO	Deployed	Aluminium structure
3	ECS 1	16-06-83	1.2	GEO	Deployed	ARA Mk. I
4	ECS 2	04-08-84	1.2	GEO	Deployed	ARA Mk. I
5	ECS 3	12-09-85	1.2	GEO	Launch failure	ARA Mk. I
6	ECS 4	16-09-87	1.2	GEO	Deployed	ARA Mk. I
7	ECS 5	21-07-88	1.2	GEO	Deployed	ARA Mk. I
8	MARECS A	20-12-81	1.0	GEO	Deployed	ARA Mk. I
9	MARECS B	10-09-82	1.0	GEO	Launch failure	ARA Mk. I
10	MARECS B2	10-11-84	1.2	GEO	Deployed	ARA Mk. I
11	Olympus	12-07-89	4.2	GEO	Deployed	Flexible design
12	Hipparcos	08-08-89	0.6	GEO TO	Deployed	ARA Mk. I
13	Skynet 4A	01-01-90	1.5	GEO	Deployed	ARA Mk. I
14	Skynet 4B	11-12-88	1.5	GEO	Deployed	ARA Mk. I
15	Skynet 4C	30-08-90	1.5	GEO	Deployed	ARA Mk. I
16	Skynet 4D	10-01-98	1.5	GEO	Deployed	ARA Mk. I
17	Skynet 4E	26-02-99	1.5	GEO	Deployed	ARA Mk. I
18	NATO 4A	08-01-91	1.5	GEO	Deployed	ARA Mk. I
19	NATO 4B	08-12-93	1.5	GEO	Deployed	ARA Mk. I
20	Inmarsat 2F1	30-10-90	1.3	GEO	Deployed	ARA Mk. II
21	Inmarsat 2F2	08-03-91	1.3	GEO	Deployed	ARA Mk. II
22	Inmarsat 2F3	16-12-91	1.3	GEO	Deployed	ARA Mk. II
23	Inmarsat 2F4	15-04-92	1.3	GEO	Deployed	ARA Mk. II
24	Telecom 2A	16-12-91	3.5	GEO	Deployed	ARA Mk. II
25	Telecom 2B	15-04-92	3.5	GEO	Deployed	ARA Mk. II
26	Telecom 2C	06-12-95	3.5	GEO	Deployed	ARA Mk. II
27	Telecom 2D	07-08-96	3.5	GEO	Deployed	ARA Mk. II
28	Hispasat 1A	10-09-92	3.5	GEO	Deployed	ARA Mk. II
29	Hispasat 1B	22-07-93	3.5	GEO	Deployed	ARA Mk. II
30	Eureca	31-07-92	5.3	LEO	Deployed + retrieved	ARA Mk. II derivative (RARA)
31	Artemis	12-07-01	2.6	GEO	Deployed	ARA Mk. II
32	Chandra X-ray Obs.	23-07-99	2.6	HEO	Deployed	ARA Mk. II
33	BeppoSAX	30-04-96	2.0	LEO	Deployed	ARA Mk. II ⁽¹⁾
34	SOHO	02-12-95	1.5	Halo L1	Deployed	ARA Mk. II
35	Envisat	01-03-02	6.6	LEO	Deployed	Flatpack
36	Hotbird 2	21-11-96	5.5	GEO	Deployed	ARA Mk. III
37	Hotbird 3	02-09-97	5.5	GEO	Deployed	ARA Mk. III
38	Hotbird 4	27-02-98	5.5	GEO	Deployed	ARA Mk. III
39	Skynet 4F	08-02-01	1.5	GEO	Deployed	ARA Mk. I
40	Hotbird 5	09-10-98	5.6	GEO	Deployed	ARA Mk. III
41	Quickbird 1	20-11-00	1.0	LEO	Launch failure	ARA Mk.III derivative (SMSA)
42	AfriStar	28-10-98	5.5	GEO	Deployed	ARA Mk. III
43	XMM	10-12-99	1.6	HEO	Deployed	ARA Mk. III
44	Integral	17-10-02	1.6	HEO	Deployed	ARA Mk. III
45	ST-1A	25-08-98	7.2	GEO	Deployed	ARA Mk. III
46	Nilesat 1	25-04-98	3.3	GEO	Deployed	ARA Mk. III
47	Astra 2B	14-09-00	7.5	GEO	Deployed	ARA Mk. III
48	Sicral 1	08-02-01	3.1	GEO	Deployed	ARA Mk. III
49	Aqua (formerly EOS-PM1)	04-05-02	4.4	LEO	Deployed	Flatpack
50	Quickbird 2	18-10-01	1.0	LEO	Deployed	ARA Mk.III derivative (SMSA)
51	QuikScat	16-06-99	1.0	LEO	Deployed	ARA Mk.III derivative (SMSA)
52	Aura (formerly EOS-Chem)	15-07-04	4.4	LEO	Deployed	Flatpack
53	Rosetta	02-03-04	0.4	IO	Deployed	ARA Mk. III ⁽²⁾
54	METOP 1	2010	3.9	LEO	Delivered	Flatpack

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55	METOP 2	2006	3.9	LEO	Delivered	Flatpack
56	METOP 3	2014	3.9	LEO	Delivered	Flatpack
57	ATV – Jules Verne	2007	4.6	LEO	Delivered	FRED
58	Nilesat 2	17-08-00	3.3	GEO	Deployed	ARA Mk. III
59	Atlantic Bird 1	28-08-02	3.9	GEO	Deployed	ARA Mk. III
60	SMART-1	27-09-03	1.3	Moon	Deployed	FRED
61	Sicral 2	Cancelled	3.1	GEO	Cancelled	ARA Mk. III
62	Hotbird 7	12-12-02	5.6	GEO	Launch failure	ARA Mk. III
63	AMOS-2	27-12-03	1.8	GEO	Deployed	ARA Mk. III
64	EROS-B	Cancelled	0.8	LEO	Cancelled	SMRT
65	GOCE	2006	1.6	LEO	On-going project	Body Mounted & Fixed Wings
66	Herschel	2007	1.4	L2	On-going project	Body Mounted Panels
67	Planck	2007	1.8	L2	On-going project	Body Mounted Panels
68	Dawn	2007	1.3	IO	Delivered	FRED ⁽³⁾
69	GIOVE A	28-12-05	0.7	MEO	Deployed	FRED
70	Aeolus	2007	2.05	LEO	On-going project	FRED
71	Sicral 1B	2007	4.2	GEO	On-going project	ARA Mk. III
72	ATV Phase E (6 models)	2007-2011	4.6	LEO	On-going project	FRED

(1) including body mounted panel

(2) Power at -130degrC and 3% sun intensity

(3) Power at -85degrC and 11% sun intensity

ARA Advanced Rigid Array

RARA Retractable Advanced Rigid Array

SMSA Small Mission Solar Array

SMRT Small Mission Array Research Technology

FRED ARA derivative

LEO Low Earth Orbit

MEO Medium Earth Orbit

GEO Geostationary Earth Orbit

HEO Highly Eccentric Orbit

IO Interplanetary Orbit

L1 Lagrange Point 1

L2 Lagrange Point 2