

Label [e]	Name	Pronunciation	Image	Abs. magn. ^[1]	Diameter (km) ^[2]	Mass ($\times 10^{15}$ kg) ^[3]	Semi-major axis (km) ^[4]	Orbital period (d) ^{[5][6]}	Inclination ($^{\circ}$) ^{[7][8]}	Eccentricity ^[9]	Position	Discovery year ^[10]	Year announced	Discoverer ^{[11][12]}
S/2009 S 1	—	—		—	0.3	$\approx 0.000\,0071$	$\approx 117\,000$	$\approx 0.471\,50$	≈ 0.0	≈ 0.000	outer B Ring	2009	2009	Cassini ^[20]
(moonlets)	—	—		—	0.04–0.4	$\approx 0.000\,017$	$\approx 130\,000$	≈ 0.55	≈ 0.0	≈ 0.000	Three 1.000 km bands within A Ring ^[21]	2006	—	Cassini
XVIII	Pan	/pæn/		9.2	27.4 (34.6 × 28.2 × 21.0)	4.30	133 600	+0.575 05	0.0	0.000	in Encke Division	1990	1990	Showalter
XXXV	Daphnis	/dæfniːs/		—	7.8 (9.8 × 8.4 × 5.6)	0.068	136 500	+0.594 08	0.0	0.000	in Keeler Gap	2005	2005	Cassini
XV	Atlas	/ætliːs/		8.5	29.8 (40.8 × 35.4 × 18.6)	5.490	137 700	+0.604 60	0.0	0.001	outer A Ring shepherd	1980	1980	Voyager 1
XVI	Prometheus	/prou'miθiːs/		6.7	85.6 (137 × 81 × 56)	159.72	139 400	+0.615 88	0.0	0.002	inner F Ring shepherd	1980	1980	Voyager 1
XVII	Pandora	/pændɔːrə/		6.5	80.0 (103 × 79 × 63)	135.7	141 700	+0.631 37	0.0	0.004	outer F Ring shepherd	1980	1980	Voyager 1
XI	Epimetheus	/epi'miθiːs/		5.5	117.2 (130 × 116 × 107)	525.607	151 400	+0.697 01	0.3	0.020	co-orbital with Janus	1966	1967	Fountain & Larson
X	Janus	/dʒeɪnəs/		4.5	178.0 (203 × 186 × 149)	1 893.88	151 500	+0.697 35	0.2	0.007	co-orbital with Epimetheus	1966	1967	Dollfus
LIII	Aegaeon	/iːdʒiːən/	—	—	0.66 (1.4 × 0.5 × 0.4)	0.000 0782	167 500	+0.808 12	0.0	0.000	G Ring moonet	2008	2009	Cassini
I	†Mimas	/mɪməs/		3.2	396.4 (416 × 393 × 381)	37 509.4	186 000	+0.942 42	1.6	0.020	—	1789	1789	Herschel
XXXII	Methone	/maθoʊni/	—	—	2.90 (3.88 × 2.58 × 2.42)	0.003 92	194 700	+1.009 55	0.0	0.002	Alkyonides	2004	2004	Cassini
XLIX	Anthe	/ænθiː/	—	—	1.8	≈ 0.0015	198 100	+1.038 90	0.0	0.002	Alkyonides	2007	2007	Cassini
XXXIII	Pallene	/pælɪni/		—	4.46 (5.76 × 4.16 × 3.68)	≈ 0.023	212 300	+1.156 06	0.2	0.004	Alkyonides	2004	2004	Cassini
II	†Enceladus	/ɛn'selədəs/		2.1	504.2 (513 × 503 × 497)	108 031.8	238 400	+1.370 22	0.0	0.005	Generates the E ring	1789	1789	Herschel
III	†Tethys	/'tiθəs/		0.7	1062.2 (1077 × 1057 × 1053)	617 495.9	295 000	+1.887 80	1.1	0.001	—	1684	1684	Cassini
XIII	Telesto	/tə'lestəʊ/		8.7	24.6 (33.2 × 23.4 × 19.2)	≈ 3.9	295 000	+1.887 80	1.2	0.001	leading Tethys trojan (L ₄)	1980	1980	Smith et al.
XIV	Calypso	/kælɪpsəʊ/	—	9.2	19.0 (29.4 × 18.6 × 12.8)	≈ 1.8	295 000	+1.887 80	1.5	0.001	trailing Tethys trojan (L ₅)	1980	1980	Pascu et al.
IV	†Dione	/daɪ'əʊni/		0.8	1122.8 (1128 × 1123 × 1119)	1 095 486.8	377 700	+2.736 92	0.0	0.002	—	1684	1684	Cassini
XII	Helene	/helēni/		8.2	36.2 (45.2 × 39.2 × 26.6)	7.1	377 700	+2.736 92	0.2	0.007	leading Dione trojan (L ₄)	1980	1980	Laques & Lecacheux
XXXIV	Polydeuces	/poli'dju:sɪz/	—	—	3.06 (3.50 × 3.10 × 2.62)	≈ 0.0075	377 700	+2.736 92	0.2	0.019	trailing Dione trojan (L ₅)	2004	2004	Cassini
V	†Rhea	/rēə/		0.1	1527.6 (1530 × 1526 × 1525)	2 306 485.4	527 200	+4.517 50	0.3	0.001	—	1672	1673	Cassini
VI	†Titan	/tætɪn/		-1.3	5149.46 (5149 × 5149 × 5150)	134 518 035.4	1 221 900	+15.9454	0.3	0.029	—	1655	1656	Heygens
VII	Hyperion	/haɪ'pɪrɪən/		4.8	270.0 (360 × 266 × 205)	5 551.0	1 481 500	+21.276 7	0.6	0.105	in 4:3 resonance with Titan	1848	1848	Bond & Lassell
VIII	†Iapetus	/aɪ'æpətəs/		1.2	1468.6 (1491 × 1491 × 1424)	1 805 659.1	3 561 700	+79.3310	7.6	0.028	—	1671	1673	Cassini
♦S/2019 S 1	—	—		15.3	≈ 6	≈ 0.11	11 245 400	+445.51	49.5	0.384	Inuit group (Kiviuq)	2019	2021	Ashton et al.
XXIV	♦Kiviuq	/kɪvɪuk/		12.7	≈ 19	≈ 3.6	11 307 300	+449.13	48.9	0.182	Inuit group (Kiviuq)	2000	2000	Gladman et al.
♦S/2005 S 4	—	—	—	15.7	≈ 5	≈ 0.065	11 324 500	+450.22	48.0	0.315	Inuit group (Kiviuq)	2005	2023	Sheppard et al.
♦S/2020 S 1	—	—	—	15.9	≈ 4	≈ 0.034	11 338 700	+451.10	48.2	0.337	Inuit group (Kiviuq)	2020	2023	Ashton et al.
XXII	♦Ijiraq	/i'jɪrɑːk/		13.3	≈ 15	≈ 1.8	11 344 600	+451.46	49.2	0.353	Inuit group (Kiviuq)	2000	2000	Gladman et al.
IX	†Phoebe	/fə'bē/		6.7	213.0 (219 × 217 × 204)	8 312.3	12 929 400	+550.30	175.2	0.164	Norse group (Phoebe)	1898	1899	Pickering
‡S/2008 S 20	—	—	—	15.7	≈ 5	≈ 0.065	13 193 800	+567.27	173.1	0.206	Norse group (Phoebe)	2006	2023	Sheppard et al.
‡S/2008 S 9	—	—	—	16.5	≈ 3	≈ 0.014	14 406 600	+647.89	173.0	0.248	Norse group (Phoebe)	2006	2023	Sheppard et al.
XX	♦Paaliaq	/pa'liak/		11.7	≈ 30	≈ 14	14 997 300	+687.08	47.1	0.384	Inuit group (Paaliaq)	2000	2000	Gladman et al.
XXVII	‡Skathi	/'skæθi/		14.4	≈ 9	≈ 0.38	15 575 100	+728.10	149.7	0.265	Norse group (Skathi)	2000	2000	Gladman et al.
‡S/2007 S 5	—	—	—	16.2	≈ 4	≈ 0.034	15 835 700	+746.88	158.4	0.104	Norse group (Skathi)	2007	2023	Sheppard et al.
‡S/2007 S 7	—	—	—	16.2	≈ 4	≈ 0.034	15 931 700	+754.29	169.2	0.217	Norse group (Skathi)	2007	2023	Sheppard et al.
‡S/2007 S 2	—	—	—	15.6	≈ 5	≈ 0.065	15 939 100	+754.90	174.1	0.232	Norse group (Skathi)	2007	2007	Sheppard et al.
‡S/2004 S 37	—	—	—	15.9	≈ 4	≈ 0.034	15 940 400	+754.48	158.2	0.447	Norse group (Skathi)	2004	2019	Sheppard et al.
‡S/2004 S 47	—	—	—	16.3	≈ 4	≈ 0.034	16 050 600	+762.49	160.9	0.291	Norse group (Skathi)	2004	2023	Sheppard et al.
‡S/2004 S 40	—	—	—	16.3	≈ 4	≈ 0.034	16 075 600	+764.60	169.2	0.297	Norse group (Skathi)	2004	2023	Sheppard et al.
XXVI	♦Albiorix	/ælbɪə'rɪks/		11.2	28.6	≈ 12	16 329 100	+783.49	38.9	0.470	Gallic group	2000	2000	Holman
‡S/2019 S 2	—	—	—	16.5	≈ 3	≈ 0.014	16 559 900	+799.82	173.3	0.279	Norse group	2019	2023	Ashton et al.
XXXVII	♦Bebhionn	/bə'bɪən/		15.0	≈ 7	≈ 0.18	17 028 900	+834.9						