Label [note 4]	Name ♦	Pronunciation	lmage	Abs. magn. ^[65] ◆	Diameter (km) ^{[4][note 5]}	Mass (×10 ¹⁶ ♦ kg) ^{[66][note 6]}	Semi- major axis (km) ^[62]	Orbital period (d) [62][note 7]	Inclination (°) ^[62] ◆	Eccentricity (4)	Discovery year ^[1] ◆	Year announced ◆	Discoverer ^{[48][1]} ♦	Group [note 8] ◆
XVI	Metis	/ˈmiːtəs/	•	10.5	43 (60 × 40 × 34)	≈3.6	128 000	+0.2948 (+7h 04m 29s)	0.060	0.0002	1979	1980	Synnott (Voyager 1)	Inner
xv	Adrastea	/ædrəˈstiːə/	•	12.0	16.4 (20 × 16 × 14)	≈ 0.20	129 000	+0.2983 (+7h 09m 30s)	0.030	0.0015	1979	1979	Jewitt (Voyager 2)	Inner
v	Amalthea	/æməlˈθiːə/ ^[67]	(1)	7.1	167 (250 × 146 × 128)	208	181 400	+0.4999 (+11h 59m	0.374	0.0032	1892	1892	Barnard	Inner
XIV	Thebe	/ˈθiːbiː/	0	9.0	98.6 (116 × 98 × 84)	≈ 43	221 900	+0.6761 (+16h 13m	1.076	0.0175	1979	1980	Synnott (Voyager 1)	Inner
ı	lo≜	/ˈaɪoʊ/		-1.7	3 643.2	8 931 900	421 800	35s) +1.7627 (+1d 18h	0.050 ^[68]	0.0041	1610	1610	(Voyager 1) Galileo	Galilean
					(3660 × 3637 × 3631)			18m 20s) +3.5255						
II	Europa≜	/jʊəˈroʊpə/ ^[69]	7	-1.4	3 121.6	4 799 800	671 100	(+3d 12h 36m 40s)	0.470 ^[68]	0.0090	1610	1610	Galileo	Galilean
III	Ganymede≜	/ˈgænəmiːd/ ^{[70][71]}		-2.1	5 268.2	14 819 000	1 070 400	+7.1556	0.200 ^[68]	0.0013	1610	1610	Galileo	Galilean
IV	Callisto≜	/kəˈlɪstoʊ/		-1.2	4 820.6	10 759 000	1 882 700	+16.690	0.192 ^[68]	0.0074	1610	1610	Galileo Kowal &	Galilean
XVIII	Themisto†	/θəˈmɪstoʊ/	iii	13.3	≈9	≈ 0.038	7 398 500	+130.03	43.8	0.340	1975/2000	1975	Roemer/ Sheppard et al.	Themisto
XIII	Leda♣	/ˈliːdə/		12.7	21.5	≈ 0.52	11 146 400	+240.93	28.6	0.162	1974	1974	Kowal	Himalia
LXXI	Ersa ⊕ S/2018 J 2 ⊕	/ <u>'3:rsə/</u>	Ontonipolar 200 to the	16.0 16.5	≈3 ≈3		11 401 000 11 419 700	+249.23 +249.92	29.1	0.116 0.152			Sheppard Sheppard	Himalia Himalia
VI	Himalia⊕	/hɪˈmeɪliə/	*	8.0	139.6 (150 × 120)	420	11 440 600	+250.56	28.1	0.160	1904	1905	Perrine	Himalia
LXV	Pandia⊕	/pæn'daɪə/		16.2	≈3		11 481 000	+251.91	29.0	0.179			Sheppard	Himalia
X	Lysithea	/laɪˈsɪθiə/	5,828,472 km	11.2	42.2		11 700 800	+259.20	27.2	0.117	1938		Nicholson	Himalia
VII	Elara ⊕ S/2011 J 3 ⊕	/ˈɛlərə/	€ φ = 90.7°	9.7	79.9 ≈ 3		11 712 300 11 716 800	+259.64	27.9	0.211	1905		Perrine Sheppard	Himalia Himalia
LIII	Dia ♣ S/2018 J 4§	/ˈdaɪə/		16.1 16.7	≈ 4 ≈ 2		12 260 300 16 328 500	+278.21	29.0 50.2	0.232			Sheppard et al.	Himalia Carpo
XLVI	Carpo§	/ˈkɑːrpoʊ/	Private	16.2	≈3		17 042 300	+456.29	53.2	0.416			Sheppard	Carpo
LXII	Valetudo± Euporie◆	/væləˈtjuːdoʊ/ /ˈjuːpəriː/		17.0 16.3	≈1 ≈2	≈ 0.000 052 ≈ 0.000 42	18 694 200 19 265 800	+527.61 -550.69	34.5 145.7	0.217 0.148	2016	2018	Sheppard Sheppard et al.	Valetudo Ananke
LV	S/2003 J 18◆	,p.011.7	SECTE	16.4	≈2		20 336 300	-550.69 -598.12	145.7	0.148			Sheppard et al.	Ananke
LX	Eupheme◆ S/2021 J 3◆	/ju:ˈfiːmiː/	ETTERS .	16.6 17.2	≈2 ≈2		20 768 600 20 776 700	-617.73 -618.33	148.0 147.9	0.241 0.239	2003 2021	2003 2023	Sheppard Sheppard	Ananke Ananke
LII	S/2010 J 2+		epter to china	17.4	≈1	≈ 0.000 052	20 793 000	-618.84	148.1	0.248	2010	2011	Veillet	Ananke
LIV	S/2016 J 1◆	/ˈniːmiː/	-	17.0	≈1	≈ 0.000 052 ≈ 0.000 43		-618.49	144.7	0.232	2016		Sheppard &	Ananke
XXXIII	Mneme ♦ Euanthe ♦	/ˈniːmiː/ /juːˈænθiː/	<u> </u>	16.3	≈2 ≈3		20 821 000	-620.07 -620.44	148.0			2003	Gladman Sheppard et al.	Ananke
	S/2003 J 16+		secretary and 3	16.3	≈2		20 882 600	-622.88	148.0				Gladman	Ananke
XXXV	Harpalyke◆ Orthosie◆	/ha:r'pæləki:/ /ɔ:r'θουzi:/		15.9 16.6	≈ 4 ≈ 2		20 892 100	-623.32 -622.59	147.7	0.232		2001	Sheppard et al. Sheppard et al.	Ananke Ananke
XLV	Helike◆	/ˈhɛləkiː/	METERS!	16.0	≈ 4	≈ 0.0034	20 915 700	-626.33	154.4	0.153		2003	Sheppard	Ananke
XXVII	S/2021 J 2◆ Praxidike◆	/prækˈsɪdəkiː/	3	17.3 14.9	≈1 7	≈ 0.000 052 ≈ 0.018	20 926 600 20 935 400	-625.14 -625.39	148.1 148.3	0.242 0.246			Sheppard et al.	Ananke Ananke
LXIV	S/2017 J 3+ S/2021 J 1+		Television	16.5 17.3	≈2 ≈1	≈ 0.000 42 ≈ 0.000 052	20 941 000 20 954 700	-625.60 -627.14	147.9 150.5	0.231 0.228	2017		Sheppard Sheppard	Ananke Ananke
	S/2003 J 12◆		menone, manual m	17.0	≈1	≈ 0.000 052	20 963 100	-627.24	150.0	0.235	2003	2003	Sheppard	Ananke
XLII	S/2017 J 7◆ Thelxinoe◆	/θεlk'sɪnoʊiː/		16.6 16.3	≈2 ≈2		20 964 800 20 976 000	-626.56 -628.03	147.3 150.6	0.233 0.228	2017		Sheppard & Sheppard & Gladman et al.	Ananke Ananke
XXIX	Thyone♦	/@aɪˈoʊniː/	0001	15.8	≈4		20 978 000	-627.18	147.5			2002	Sheppard et al.	Ananke
XII	S/2003 J 2◆ Ananke◆	/əˈnæŋkiː/	merchant of	16.7	≈2 29.1		20 997 700	-628.79 -629.79	150.2 147.6	0.225	2003		Sheppard	Ananke Ananke
All	Ananke◆ S/2022 J 3◆			17.4	29.1	≈ 1.3 ≈ 0.000 052		-629.79 -630.67	147.6				Sheppard	Ananke
XXIV	locaste◆ Hermippe◆	/aɪəˈkæstiː/ /hərˈmɪpiː/		15.5 15.5	≈ 5 ≈ 4		21 066 700 21 108 500	-631.59 -633.90	148.8 150.2		2000 2001		Sheppard et al. Sheppard et al.	Ananke Ananke
LXX	S/2017 J 9♦ Philophrosyne‡			16.2	≈3 ≈2	≈ 0.0014	21 768 700 22 604 600	-666.11 -702.54	155.5 146.3	0.200	2017	2018	Sheppard Sheppard	Ananke Pasiphae
	S/2016 J 3♥ S/2022 J 1♥			16.7 17.0	≈ 2 ≈ 1		22 719 300	-713.64 -738.33	164.6 164.5	0.251	2016	2023	Sheppard Sheppard	Carme Carme
	Pasithee♥ S/2017 J 8♥	/ˈpæsəθiː/	****	16.8 17.1	≈2 ≈1	≈ 0.000 42 ≈ 0.000 052	22 846 700 22 849 500	-719.47 -719.76	164.6 164.8			2002	Sheppard et al.	Carme
ZAIA	S/2017 J 8♥ S/2021 J 6♥ S/2003 J 24♥		The second level	17.1 17.3 16.6	≈1 ≈1 ≈2	≈ 0.000 052		-719.76 -720.97 -721.60	164.8 164.9 164.5	0.271	2021	2023	Sheppard et al. Sheppard et al.	Carme Carme
XXXII	Eurydome‡	/jʊəˈrɪdəmiː/		16.2	≈3	≈ 0.0014	22 899 000	-717.31	149.1	0.294	2001	2002	Sheppard et al.	Pasiphae
LVI	S/2011 J 2‡ S/2003 J 4‡		1001 L	16.8 16.7	≈1 ≈2	≈ 0.000 052 ≈ 0.000 42	22 909 200 22 926 500	-718.32 -718.10	151.9 148.2	0.355 0.328			Sheppard Sheppard	Pasiphae Pasiphae
XXI	Chaldene♥		1017	16.0	≈ 4 ≈ 2		22 930 500	-723.71 -724.71	164.7	0.265			Sheppard et al.	Carme
XXVI	S/2017 J 2♥ Isonoe♥	/aɪˈsɒnoʊiː/		16.4	≈ 2 ≈ 4		22 953 200 22 981 300	-724.71 -726.27	164.5	0.272			Sheppard Sheppard et al.	Carme
	S/2022 J 2♥ S/2021 J 4♥			17.6 17.4	≈1 ≈1	≈ 0.000 052 ≈ 0.000 052		-781.56 -728.28	164.7 164.6	0.265 0.265		2023 2023	Sheppard Sheppard	Carme Carme
XLIV	Kallichore♥ Erinome♥	/kəˈlɪkəriː/ /ɛˈrɪnəmiː/		16.3 16.0	≈2 ≈3		23 021 800 23 032 900	-728.26 -728.48	164.8 164.4	0.252 0.276			Sheppard et al.	Carme
XXXVII	Kale ▼ Eirene ▼	/ˈkeɪliː/ /aɪˈriːniː/	• • •	16.3 15.8	≈2 ≈4		23 052 600 23 055 800	-729.64 -729.84	164.6 164.6	0.262 0.258			Sheppard et al. Sheppard	Carme
XXXI	Aitnev	/ar n.m./		16.0	≈4		23 064 400	-729.84 -730.10	164.6	0.258	2003		Sheppard et al.	Carme
XLVII	Eukelade▼	/ju:ˈkɛlədi:/		16.0	≈ 4		23 067 400	-730.30	164.6	0.277	2003		Sheppard	Carme
XX	Arche▼ Taygete▼	/ˈaːrkiː/ /teɪˈɪdʒətiː/		16.2 15.6	≈3 ≈5		23 097 800 23 108 000	-731.88 -732.45	164.6	0.261	2002		Sheppard Sheppard et al.	Carme
LXXII	S/2016 J 4‡ S/2011 J 1♥		TALL STATE	17.3 16.7	≈1 ≈2	≈ 0.000 052		-727.01 -733.21	147.1	0.294	2016	2023	Sheppard Sheppard	Pasiphae Carme
XI	Carme	/ˈkɑːrmiː/	SECULIAR SECU	10.6	46.7		23 144 400	-734.19	164.6	0.256			Nicholson	Carme
L LXI	Herse▼ S/2003 J 19▼	/ˈhɜːrsiː/		16.5 16.6	≈2 ≈2		23 150 500 23 156 400	-734.52 -734.78	164.4 164.7	0.262 0.265			Gladman et al.	Carme Carme
LI	S/2010 J 1♥		No.	16.5	≈2	≈ 0.000 42	23 189 800	-736.51	164.5	0.252	2010	2011	Jacobson et al.	Carme
LXVI	S/2003 J 9♥ S/2017 J 5♥		- memana	16.9 16.5	≈1 ≈2		23 206 200	-736.86 -737.28	164.8 164.8	0.257	2017	2018	Sheppard Sheppard	Carme
LXVII XXIII	S/2017 J 6‡ Kalyke♥	/ˈkæləkiː/		16.6 15.4	≈ 2 6.9		23 245 300 23 302 600	-733.99 -742.02	149.7 164.8	0.336 0.260		2018	Sheppard et al.	Pasiphae Carme
XXXIX	Hegemone‡ S/2018 J 3♥	/həˈdʒɛməniː/		15.9 17.3	≈3 ≈1	≈ 0.0014 ≈ 0.000 052	23 348 700 23 400 300	-739.81 -747.02	152.6 164.9	0.358 0.268			Sheppard Sheppard	Pasiphae Carme
VIII	S/2021 J 5♥ Pasiphae‡	/pəˈsɪfeɪi:/	Market Market	16.8 10.1	≈ 2 57.8		23 414 600 23 468 200	-747.74 -743.61	164.9 148.4	0.272			Sheppard et al. Melotte	Carme Pasiphae
XXXVI	Pasiphae‡ Sponde‡	/pəˈsɪfeɪi:/ /ˈspɒndi:/		16.7	57.8		23 468 200	-743.61 -748.29	148.4	0.412			Sheppard et al.	Pasiphae
	S/2003 J 10♥		UNITED AND TO SERVICE	16.9	≈2		23 576 300	-755.43	164.4	0.264			Sheppard	Carme
XIX	Megaclite‡ Cyllene‡	/_mɛgəˈklaɪtiː/ /səˈliːniː/		15.0 16.3	≈ 5 ≈ 2		23 644 600 23 654 700	-752.86 -751.97	149.8 146.8	0.421 0.419	2000 2003		Sheppard et al. Sheppard	Pasiphae Pasiphae
IX	Sinope‡	/səˈnoʊpiː/	÷	11.1	35	≈2.2	23 683 900	-758.85	157.3	0.264	1914	1914	Nicholson	Pasiphae
LIX	S/2017 J 1‡ Aoede‡	/eɪˈiːdiː/		16.8 15.6	≈ 2 ≈ 4		23 744 800 23 778 200	-756.41 -761.42	145.8 155.7	0.328 0.436			Sheppard Sheppard	Pasiphae Pasiphae
XIII		/er`i:di:/ /o:'tonovi:/		15.6 15.5	≈ 4 ≈ 4		23 778 200	-761.42 -761.00	155.7	0.436			Sheppard et al.	Pasiphae Pasiphae
XXVIII	Autonoe‡		Hamilton J. T. S. L.		9.6	≈ 0.046	23 795 500	-758.87	145.1	0.297	1999	2000		
		/kəˈlɪroʊiː/	O	14.0	≈2		23 829 300	-760.00	144.7	0.313		2004	Scotti et al. Sheppard	Pasiphae Pasiphae