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Label	Name	Pronunciation	Diameter (km)	Mass ($\times 10^{16}$ kg)
XVI	Metis	'mi:tis	60×40×34	~3.6
XV	Adrastea	,ædrə'sti:ə	20×16×13	~0.2
V	Amalthea	,æməl'θi:ə	250×146×128	208
XIV	Thebe	'θi:bi:	116×98×84	~43
I	Io	'aɪ.əʊ	3,660.0×3,637.4×3,630.6	8900000
II	Europa	jʊ'rəʊpə	3121.6	4800000
III	Ganymede	'gænɪmɪ:d	5262.4	15000000
IV	Callisto	kə'lɪstɔ:	4820.6	11000000
XVIII	Themisto	θi'mɪstɔ:	8	0.069
XIII	Leda	'li:də	16	0.6
VI	Himalia	haɪ'meɪliə	170	670
X	Lysithea	laɪ'sɪθi:ə	36	6.3
VII	Elara	'elərə	86	87
—	Dia		4	0.009 0
XLVI	Carpo	'karpoʊ	3	0.004 5
—	S/2003 J 12		1	0.000 15
XXXIV	Euporie	ju:'poʊrɪ.i:	2	0.001 5
—	S/2003 J 3		2	0.001 5
—	S/2003 J 18		2	0.001 5
XLII	Thelxinoe	θɛlk'sɪnəʊi:	2	0.001 5
XXXIII	Euanthe	ju:'ænθi:	3	0.004 5
XLV	Helike	'hɛliki:	4	0.009 0
XXXV	Orthosie	ɔ:r'θɒsɪ.i:	2	0.001 5
XXIV	Locaste	,aɪ.ə'kæsti:	5	0.019
—	S/2003 J 16		2	0.001 5
XXVII	Praxidike	præk'sɪdɪki:	7	0.043
XXII	Harpalyke	hɑ:pælɪki:	4	0.012
XL	Mneme	'ni:mi:	2	0.001 5
XXX	Hermippe	hə'rnɪpi:	4	0.009 0
XXIX	Thyone	θaɪ'əʊni:	4	0.009 0
XII	Ananke	ə'næŋki:	28	3
L	Herse		2	0.001 5
XXXI	Aitne	'aɪtni:	3	0.004 5
XXXVII	Kale	'keɪli:	2	0.001 5
XX	Taygete	teɪ'ɪdʒɪti:	5	0.016
—	S/2003 J 19		2	0.001 5
XXI	Chaldene	kæl'di:nɪ:	4	0.007 5
—	S/2003 J 15		2	0.001 5
—	S/2003 J 10		2	0.001 5
—	S/2003 J 23		2	0.001 5
XXV	Erinome	i'rɪnəmi:	3	0.004 5
XLI	Aoede	eɪ'i:di:	4	0.009 0
XLIV	Kallichore	kæl'ɪkəri:	2	0.001 5
XXIII	Kalyke	'kælɪki:	5	0.019
XI	Carme	'karmi:	46	13
XVII	Callirhoe	kæl'ɪrəʊi:	9	0.087
XXXII	Eurydome	jʊ'rɪdəmi:	3	0.004 5
XXXVIII	Pasithee	pə'sɪθi:i:	2	0.001 5

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XLIX	Kore	'koʊri:	2	0.001	5	
XLVIII	Cyllene	sɪ'li:nɪ:	2	0.001	5	
XLVII	Eukelade	ju:'kɛlədi:	4	0.009	0	
—	S/2003 J 4		2	0.001	5	
VIII	Pasiphaë	pə'sɪfeɪ.i:	60			30
XXXIX	Hegemone	hɪ'dʒɛməni:	3	0.004	5	
XLIII	Arche	'ɑrkɪ:	3	0.004	5	
XXVI	Isonoe	aɪ'sonəʊi:	4	0.007	5	
—	S/2003 J 9		1	0.000	15	
—	S/2003 J 5		4	0.009	0	
IX	Sinope	sɪ'nɔʊpi:	38			7.5
XXXVI	Sponde	'spɒndɪ:	2	0.001	5	
XXVIII	Autonoe	ɔ:'tənəʊi:	4	0.009	0	
XIX	Megaclite	,mɛgə'klaitɪ:	5			0.021

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Semi-major axis (km)	Orbital period (d)	Inclination (°)	Eccentricity
127690	+7h 4m 30s	0.06°	0.0002
129000	+7h 9m 30s	0.03°	0.0015
181366	+11h 57m 23s	0.374°	0.0032
221889	+16h 11m 17s	1.076°	0.0175
421700	+1.769 137 786	0.050°	0.0041
671034	+3.551 181 041	0.471°	0.0094
1070412	+7.154 552 96	0.204°	0.0011
1882709	+16.689 018 4	0.205°	0.0074
7393216		129.87 45.762°	0.2115
11187781		241.75 27.562°	0.1673
11451971		250.37 30.486°	0.1513
11740560		259.89 27.006°	0.1322
11778034		261.14 29.691°	0.1948
12 570 424		287.93 27.584°	0.2058
17144873		458.62 56.001°	0.2735
17739539	-482.69	142.680°	0.4449
19088434	-538.78	144.694°	0.096
19621780	-561.52	146.363°	0.2507
19812577	-569.73	147.401°	0.1569
20453753	-597.61	151.292°	0.2684
20464854	-598.09	143.409°	0.2
20540266	-601.40	154.586°	0.1374
20567971	-602.62	142.366°	0.2433
20722566	-609.43	147.248°	0.2874
20743779	-610.36	150.769°	0.3184
20823948	-613.90	144.205°	0.184
21063814	-624.54	147.223°	0.244
21129786	-627.48	149.732°	0.3169
21182086	-629.81	151.242°	0.229
21405570	-639.80	147.276°	0.2525
21454952	-642.02	151.564°	0.3445
22134306	-672.75	162.490°	0.2379
22285161	-679.64	165.562°	0.3927
22409207	-685.32	165.378°	0.2011
22438648	-686.67	164.890°	0.3678
22709061	-699.12	164.727°	0.1961
22713444	-699.33	167.070°	0.2916
22720999	-699.68	141.812°	0.0932
22730813	-700.13	163.813°	0.3438
22739654	-700.54	148.849°	0.393
22986266	-711.96	163.737°	0.2552
23044175	-714.66	160.482°	0.6011
23111823	-717.81	164.605°	0.2041
23180773	-721.02	165.505°	0.2139
23197992	-721.82	165.047°	0.2342
23214986	-722.62	139.849°	0.2582
23230858	-723.36	149.324°	0.3769
23307318	-726.93	165.759°	0.3288

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23345093	-776.02	137.371°	0.1951
23396269	-731.10	140.148°	0.4115
23483694	-735.20	163.996°	0.2828
23570790	-739.29	147.175°	0.3003
23609042	-741.09	141.803°	0.3743
23702511	-745.50	152.506°	0.4077
23717051	-746.19	164.587°	0.1492
23800647	-750.13	165.127°	0.1775
23857808	-752.84	164.980°	0.2761
23973926	-758.34	165.549°	0.307
24057865	-762.33	153.778°	0.275
24252627	-771.60	154.372°	0.4431
24264445	-772.17	151.058°	0.369
24687239	-792.44	150.398°	0.3077

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Discovery year	Discoverer	Group
	1979 Synnott (Voyager 1)	Inner
	1979 Jewitt (Voyager 2)	Inner
	1892 Barnard	Inner
	1979 Synnott (Voyager 1)	Inner
	1610 Galilei	Galilean
1975/2000	Kowal & Roemer/Sheppard et al.	Themisto
	1974 Kowal	Himalia
	1904 Perrine	Himalia
	1938 Nicholson	Himalia
	1905 Perrine	Himalia
	2001 Sheppard et al.	Himalia
	2003 Sheppard et al.	Carlo
	2003 Sheppard et al.	?
	2002 Sheppard et al.	Ananke
	2003 Sheppard et al.	Ananke
	2003 Gladman et al.	Ananke
	2003 Sheppard et al.	Ananke
	2002 Sheppard et al.	Ananke
	2003 Sheppard et al.	Ananke
	2002 Sheppard et al.	Ananke
	2001 Sheppard et al.	Ananke
	2003 Gladman et al.	Ananke
	2001 Sheppard et al.	Ananke
	2001 Sheppard et al.	Ananke
	2003 Gladman et al.	Ananke
	2002 Sheppard et al.	Ananke?
	2002 Sheppard et al.	Ananke
	1951 Nicholson	Ananke
	2003 Gladman et al.	Carme
	2002 Sheppard et al.	Carme
	2002 Sheppard et al.	Carme
	2001 Sheppard et al.	Carme
	2003 Gladman et al.	Carme
	2001 Sheppard et al.	Carme
	2003 Sheppard et al.	Ananke?
	2003 Sheppard et al.	Carme?
	2004 Sheppard et al.	Pasiphaë
	2001 Sheppard et al.	Carme
	2003 Sheppard et al.	Pasiphaë
	2003 Sheppard et al.	Carme?
	2001 Sheppard et al.	Carme
	1938 Nicholson	Carme
	2000 Gladman et al.	Pasiphaë
	2002 Sheppard et al.	Pasiphaë?
	2002 Sheppard et al.	Carme

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2003 Sheppard et al.	Pasiphaë
2003 Sheppard et al.	Pasiphaë
2003 Sheppard et al.	Carme
2003 Sheppard et al.	Pasiphaë
1908 Gladman et al.	Pasiphaë
2003 Sheppard et al.	Pasiphaë
2002 Sheppard et al.	Carme
2001 Sheppard et al.	Carme
2003 Sheppard et al.	Carme
2003 Sheppard et al.	Carme
1914 Nicholson	Pasiphaë
2002 Sheppard et al.	Pasiphaë
2002 Sheppard et al.	Pasiphaë
2001 Sheppard et al.	Pasiphaë