

The Jupiter System

Mass of Jupiter: $1898.6 (10^{24}\text{kg})$

Satellite	a (km)	T (d)	e	I ($^\circ$)	$\langle R \rangle$	m (10^{20}kg)
Metis	127,960	0.294780	< 0.004	~ 0	20	
Adrastea	128,980	0.29826	~ 0	~ 0	10	
Amalthea	181,300	0.498179	0.003	0.40	*86	
Thebe	221,900	0.6745	0.015	0.8	50	
Io	421,600	1.769138	^f 0.0041	0.040	1,821	893.3
Europa	670,900	3.551810	^f 0.0101	0.470	1,565	479.7
Ganymede	1,070,000	7.154553	^f 0.0015	0.195	2,634	1482
Callisto	1,883,000	16.689018	0.007	0.281	2,403	1076
Leda	11,094,000	238.72	0.148	27	5	
Himalia	11,480,000	250.5662	0.163	25	85	
Lysithea	11,720,000	259.22	0.107	29	12	
Elara	11,737,000	259.6528	0.207	28	40	
Ananke	21,200,000	-631	0.169	147	10	
Carme	22,600,000	-692	0.207	163	15	
Pasiphae	23,500,000	-735	0.378	148	18	
Sinope	23,700,000	-758	0.275	153	14	