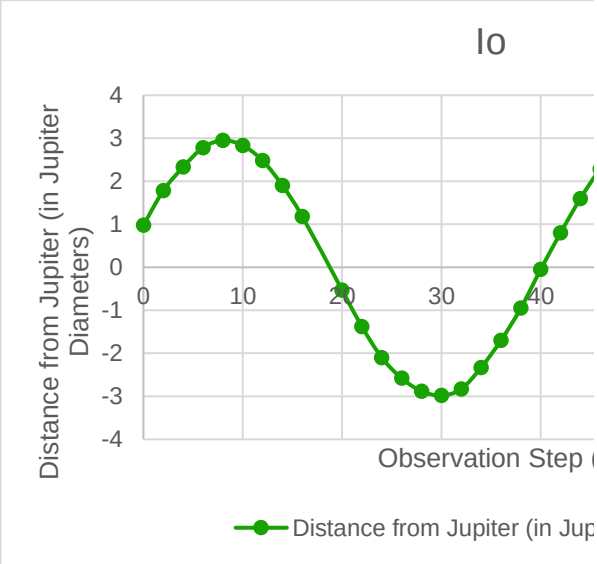
Observation Step (in Hours)	Distance from Jupiter (in Jupiter Diameters)
0	0.98
2	1.78
4	2.33
6	2.78
8	2.95
10	2.83
12	2.48
14	1.9
16	1.18
20	-0.53
22	-1.38
24	-2.1
26	-2.58
28	-2.88
30	-2.98
32	-2.83
34	-2.33
36	-1.7
38	-0.95
40	-0.05
42	0.8
44	1.6
46	2.28
48	2.73
50	2.9
52	2.93
54	2.55
56	2.08
58	1.3
60	0.53
64	-1.15
66	-1.95
68	-2.5
70	-2.88



Period

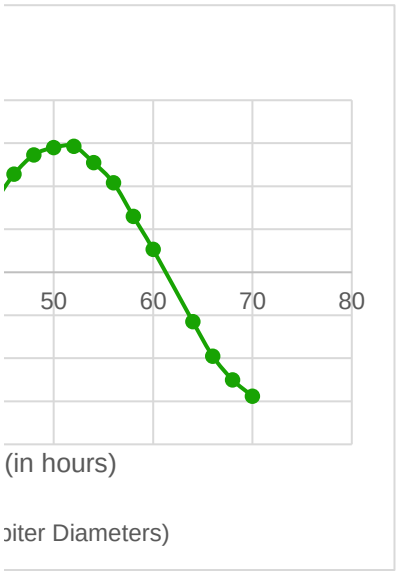
t1: (16, 1.18)

t2: (58, 1.3)

in hours: 42

in days: 1.75

in years: 0.0048



	Semi-major axis (a)
in Jupiter diameters:	2.98
in AU:	0.00284441

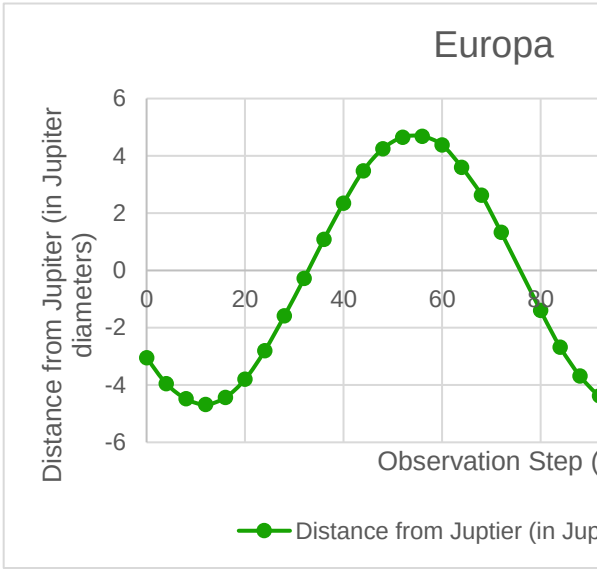
Mass of Jupiter: 1.898 x 10^27

in Solar Masses: (0.00284441)^3/(0.0048)^2 = 0.0009988

in Earth Masses:
(0.0009988)/3.0x10^-6 = 332.93
(0.00284441)/3.0x10^-6 = 948.1367
(1.898 x 10^27)/3.0x10^-6 = 6.3267x10^32

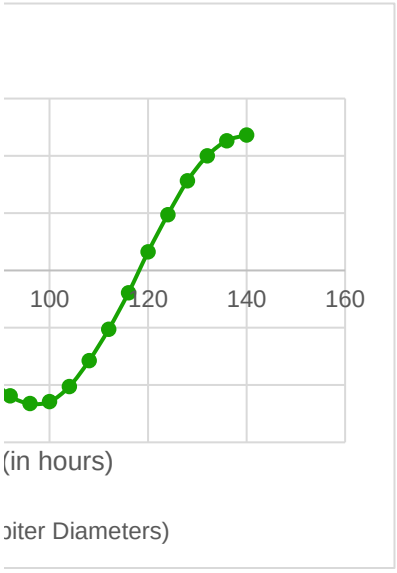
Percent error:

Observation Step (in Hours)	Distance from Juptier (in Jupiter Diameters)
0	-3.05
4	-3.95
8	-4.48
12	-4.68
16	-4.43
20	-3.8
24	-2.8
28	-1.58
32	-0.28
36	1.08
40	2.35
44	3.48
48	4.25
52	4.65
56	4.68
60	4.38
64	3.6
68	2.63
72	1.33
80	-1.4
84	-2.68
88	-3.68
92	-4.38
96	-4.65
100	-4.58
104	-4.05
108	-3.15
112	-2.05
116	-0.78
120	0.65
124	1.95
128	3.13
132	4
136	4.53
140	4.73



Period

t1:	(32, -0.28)
t2:	(116, -0.78)
in hours:	84
in days:	3.5
in years:	0.00959



	Semi-major axis (a)
in Jupiter diameters:	4.73
in AU:	0.004514785

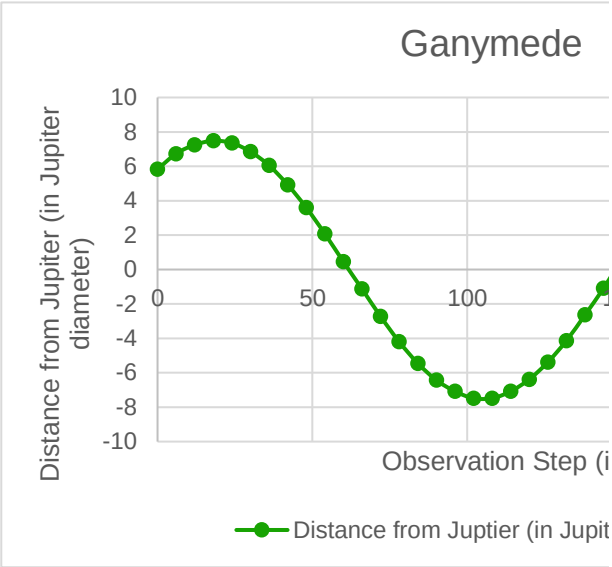
Mass of Jupiter: 1.898 x 10^27

in Solar Masses: (0.004514785)^3/(0.00959)^2 = 0.001000631121

in Earth Masses: (0.001000631121)/3.0x10^-6 = 333.5437071
(0.004514785)/3.0x10^-6 = 1504.928333
(1.898 x 10^27)/3.0x10^-6 = 6.3267x10^32

Percent error:

Observation Step (in Hours)	Distance from Juptier (in Jupiter Diameters)
0	5.83
6	6.73
12	7.25
18	7.48
24	7.35
30	6.85
36	6.05
42	4.93
48	3.6
54	2.08
60	0.45
66	-1.13
72	-2.73
78	-4.2
84	-5.45
90	-6.43
96	-7.08
102	-7.48
108	-7.48
114	-7.08
120	-6.38
126	-5.38
132	-4.13
138	-2.63
144	-1.08
150	0.63
156	2.2
162	3.7
168	5.03
174	6.13
180	6.88
186	7.38
192	7.5
198	7.23
204	6.68
210	5.75

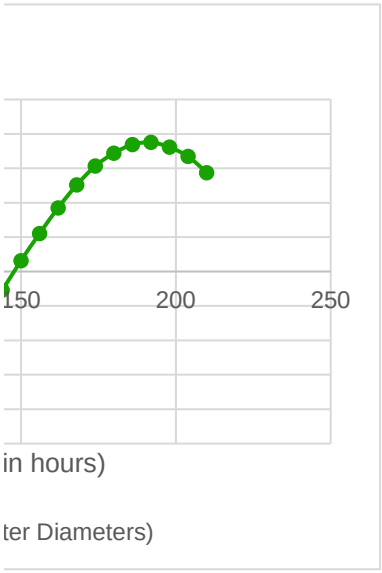


Period

t1: (60, 0.45)

t2: (150, 0.63)

in hours:	90
in days:	3.75
in years:	0.01



	Semi-major axis (a)
in Jupiter diameters:	7.5
in AU:	0.00715875

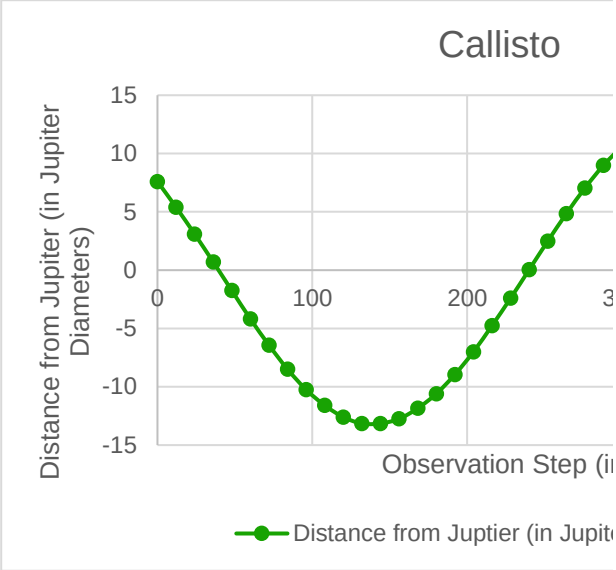
Mass of Jupiter: 1.898 x 10^27

in Solar Masses: (0.00715875)^3/(0.01)^2 = 0.003668694836

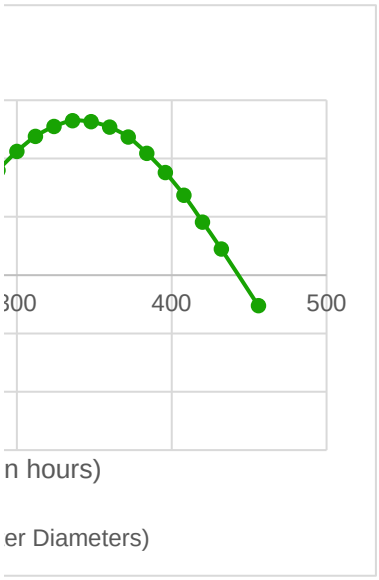
in Earth Masses:
(0.003668694836)/3.0x10^-6 = 1222.898279
(0.00715875)/3.0x10^-6 = 2386.25
(1.898 x 10^27)/3.0x10^-6 = 6.3267x10^32

Percent error:

Observation Step (in Hours)	Distance from Juptier (in Jupiter Diameters)
0	7.6
12	5.4
24	3.1
36	0.7
48	-1.75
60	-4.18
72	-6.43
84	-8.5
96	-10.25
108	-11.6
120	-12.6
132	-13.15
144	-13.15
156	-12.75
168	-11.85
180	-10.6
192	-8.95
204	-7
216	-4.75
228	-2.4
240	0.05
252	2.5
264	4.85
276	7.05
288	9
300	10.6
312	11.9
324	12.75
336	13.25
348	13.15
360	12.7
372	11.85
384	10.45
396	8.8
408	6.85
420	4.55
432	2.25
456	-2.63



	Period
t1:	(24, 3.1)
t2:	(432, 2.25)
in hours:	408
in days:	17
in years:	0.047



	Semi-major axis (a)
in Jupiter diameters:	13.25
in AU:	0.012647125

Mass of Jupiter	1.898 x 10^27
in Solar Masses:	(0.012647125)^3/(0.047)^2 = 0.02022904745
in Earth Masses:	(0.02022904745)/3.0x10^-6 = 6743.015815
	(0.012647125)/3.0x10^-6 = 4215.708333
Percent error:	(1.898 x 10^27)/3.0x10^-6 = 6.3267x10^32