



Kuiper Belt 3.0

Mike Brown
Caltech

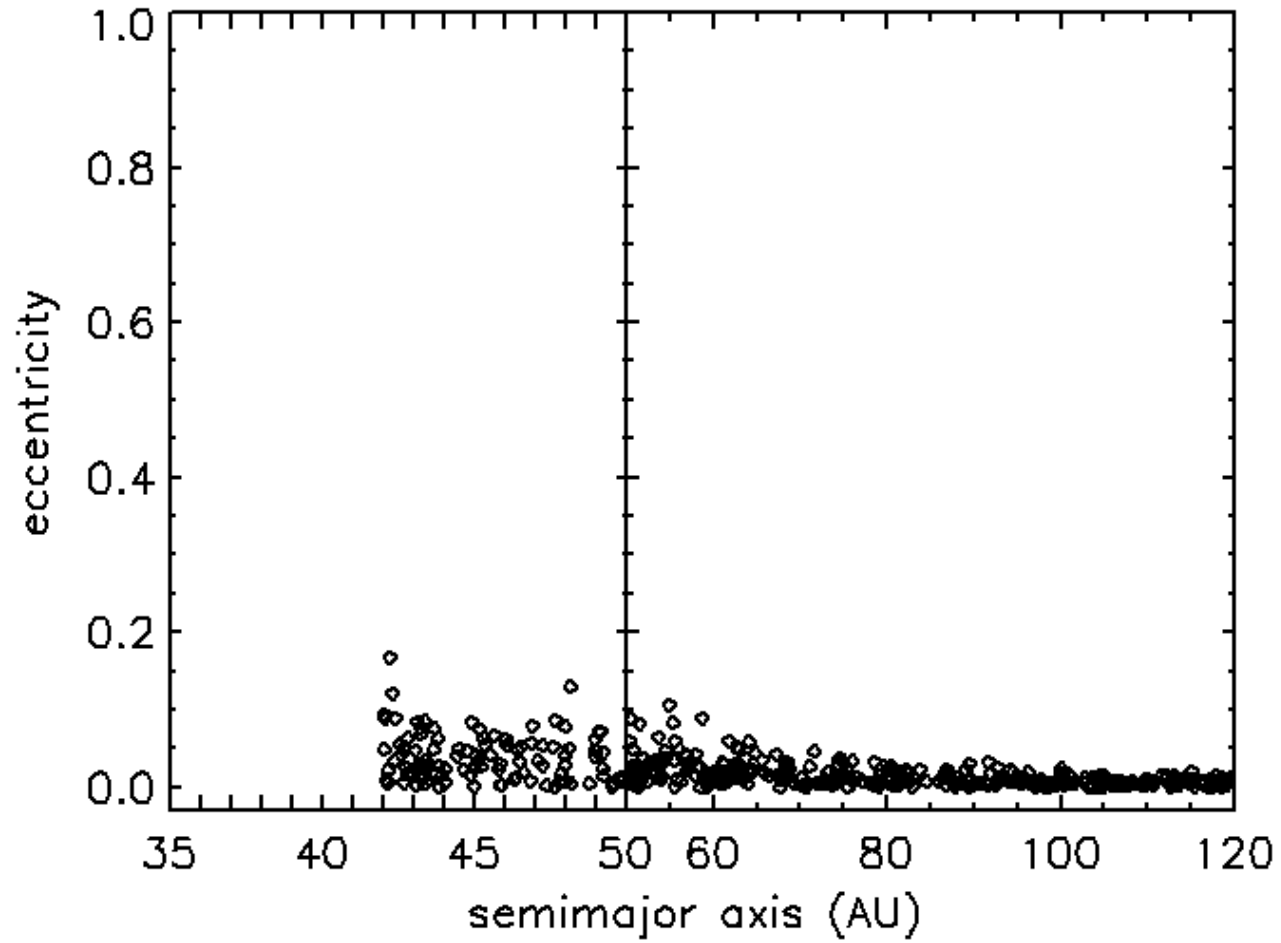


Kuiper Belt 3.0

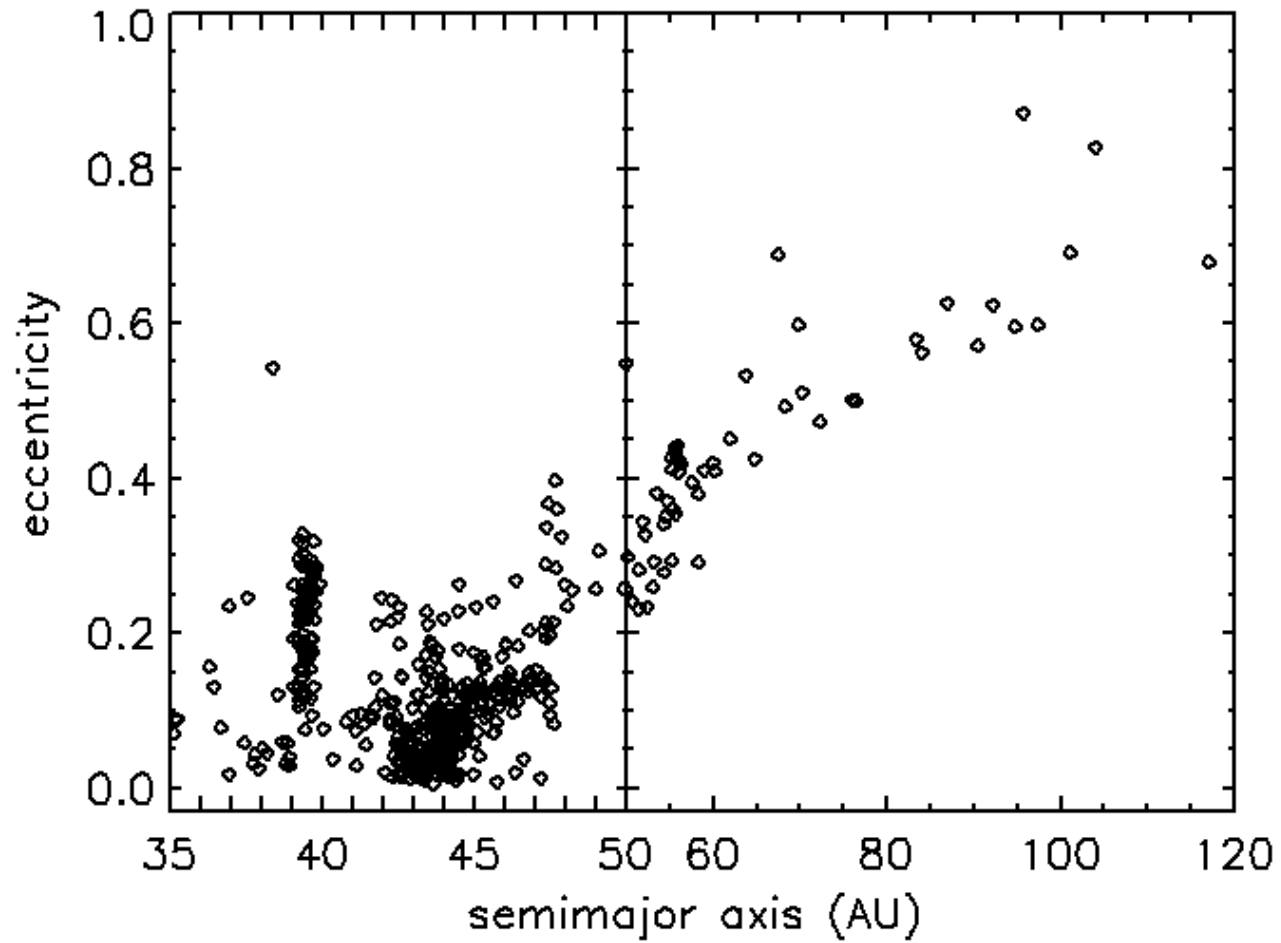
(beta)

Mike Brown
Caltech

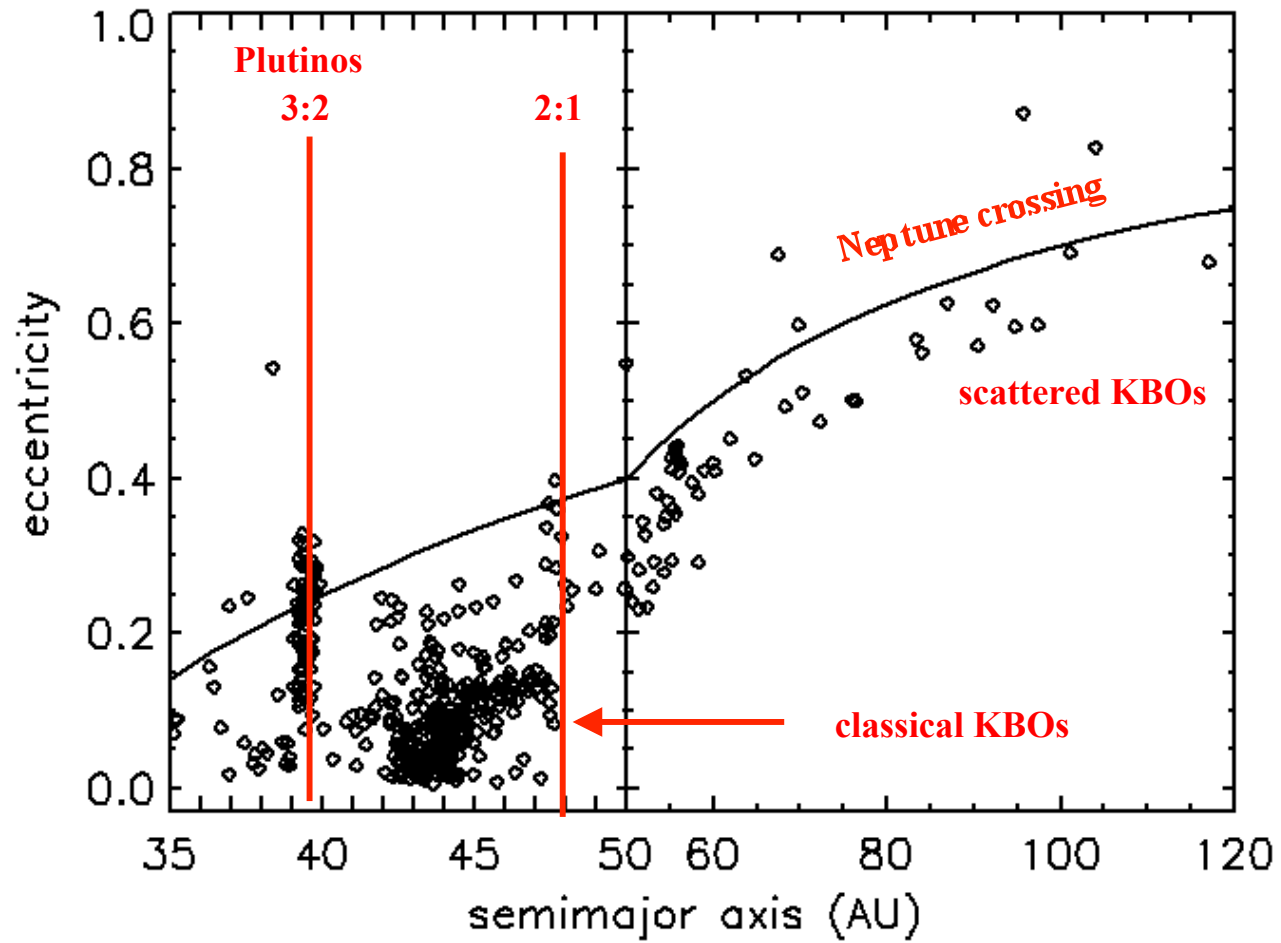
Kuiper belt 0.0



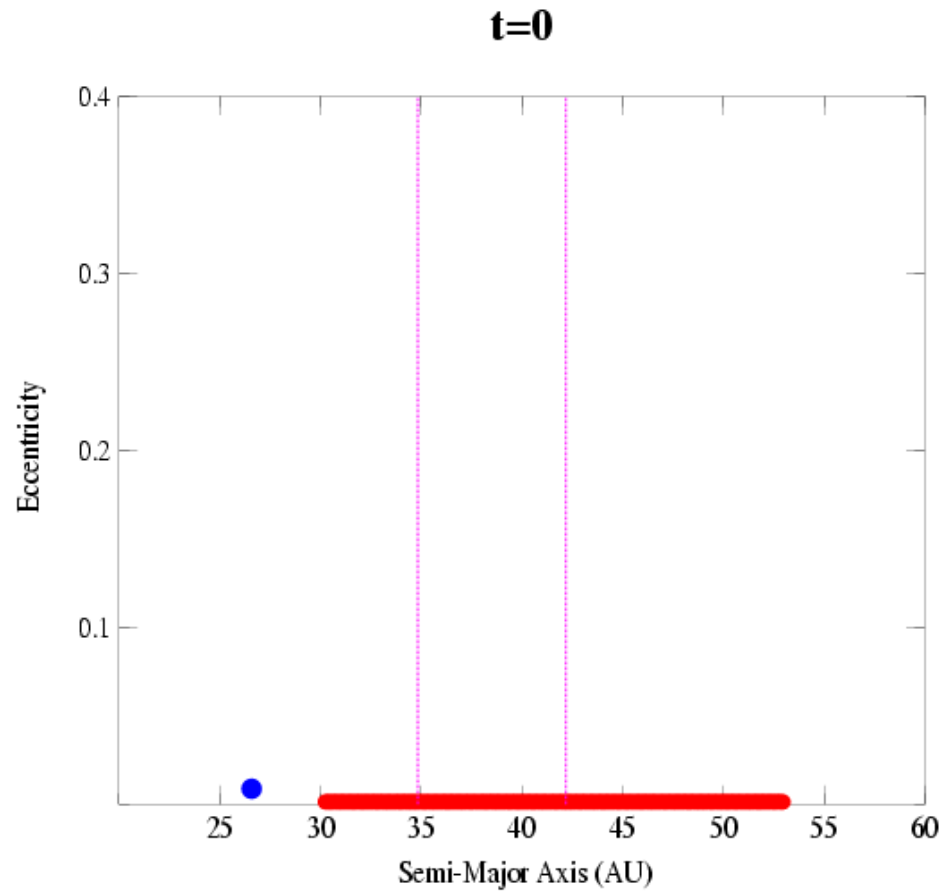
Kuiper belt 1.0



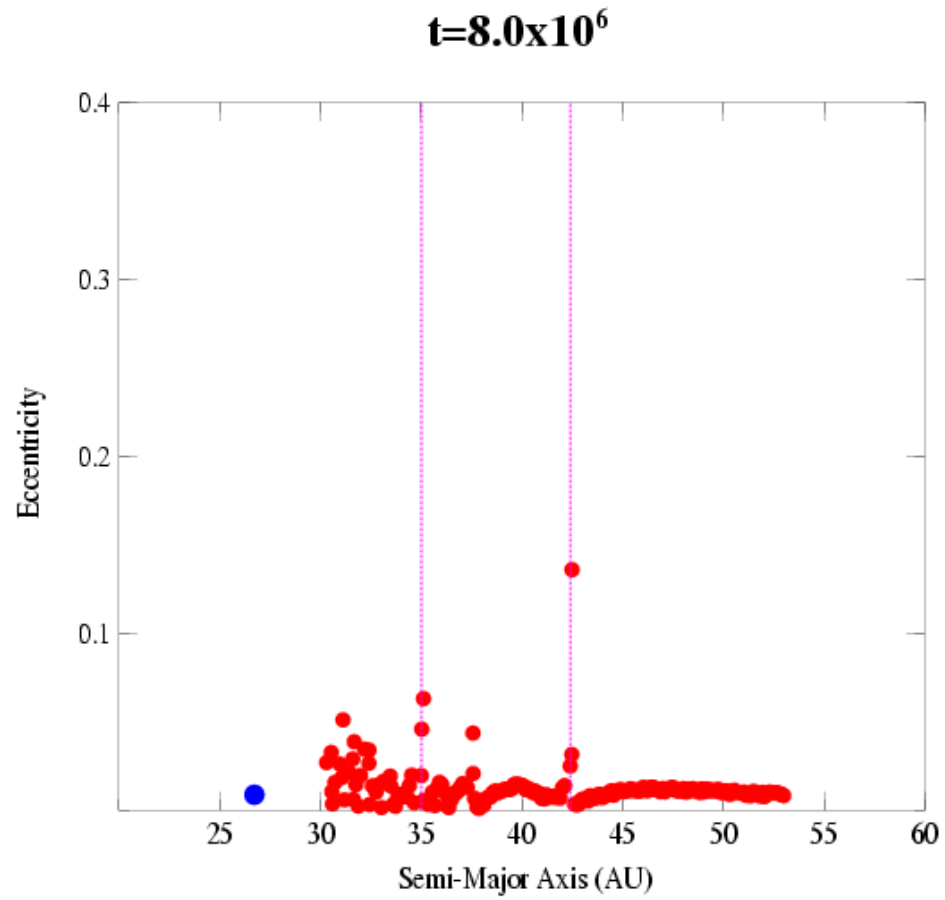
Kuiper belt 1.1



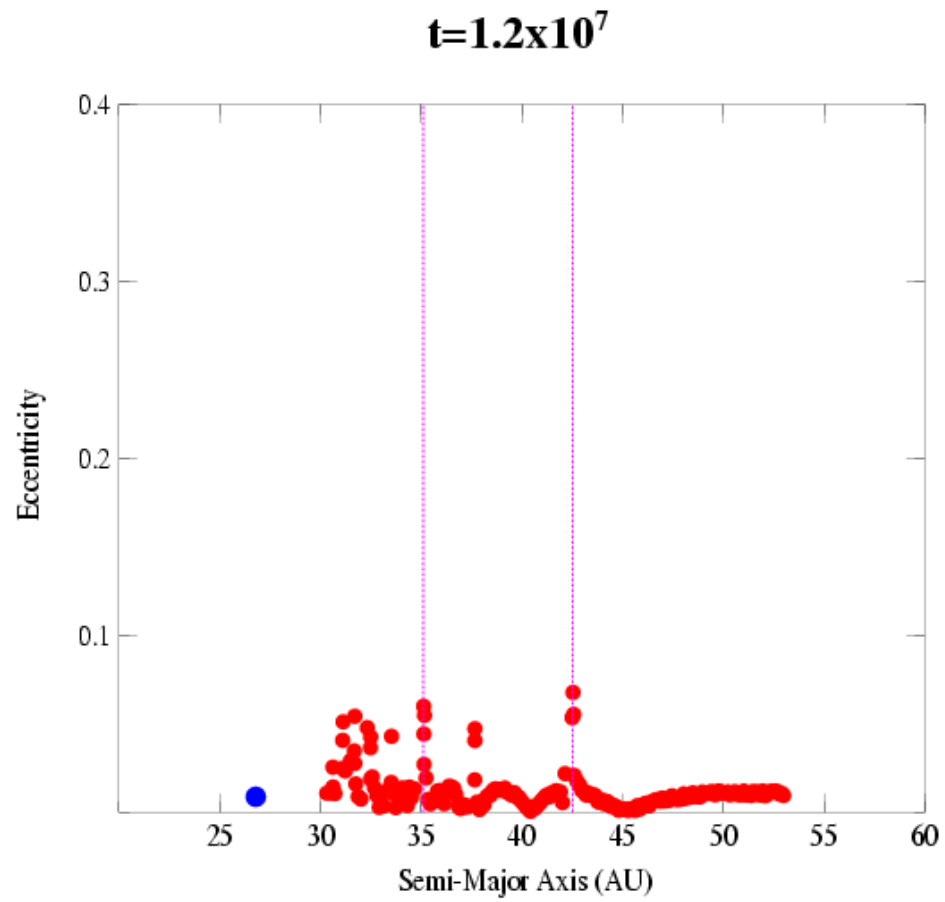
Kuiper belt 1.1



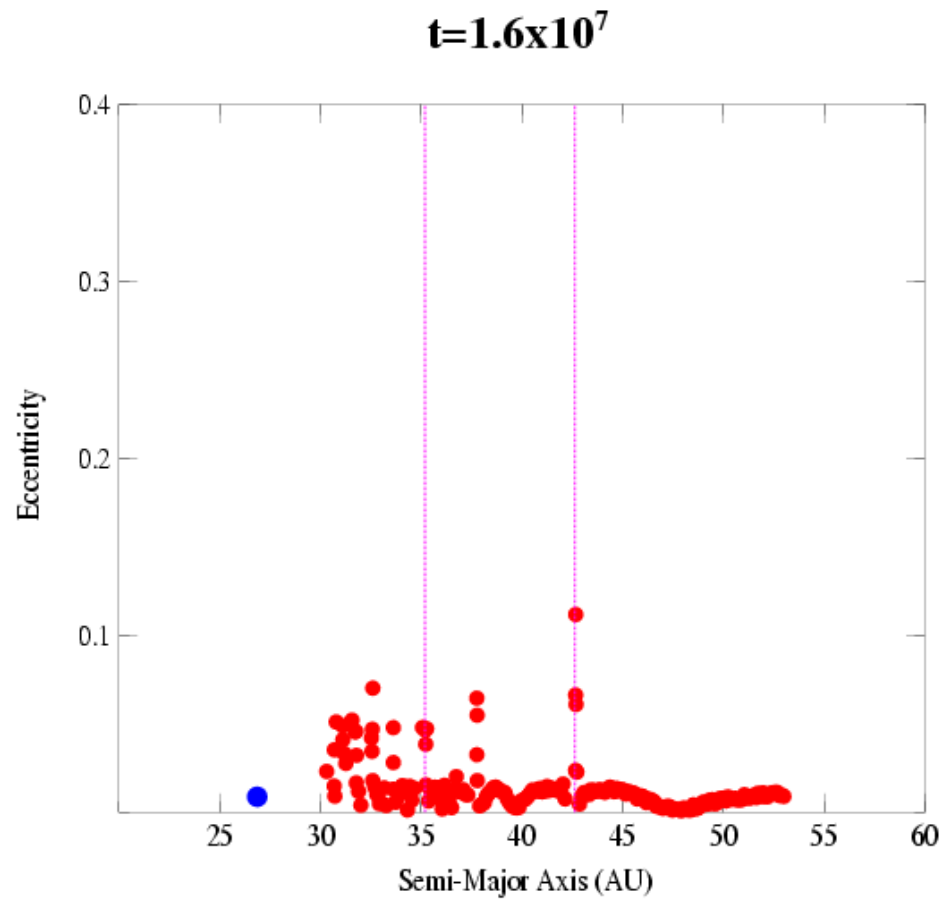
Kuiper belt 1.1



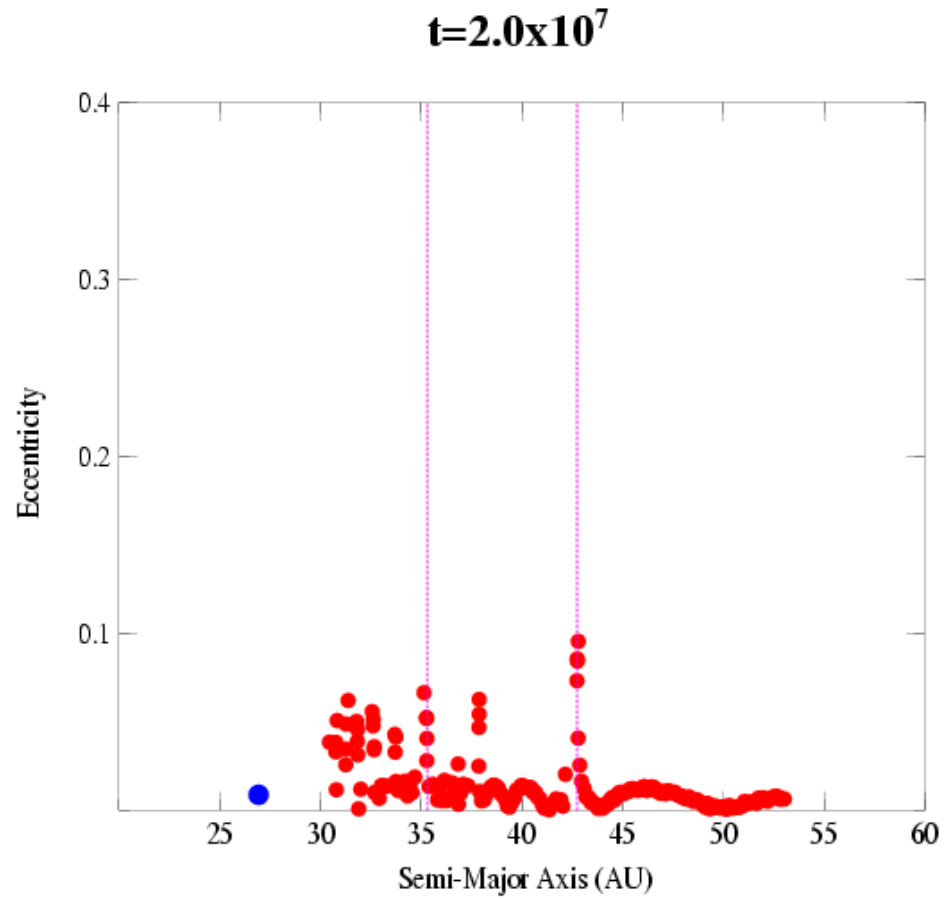
Kuiper belt 1.1



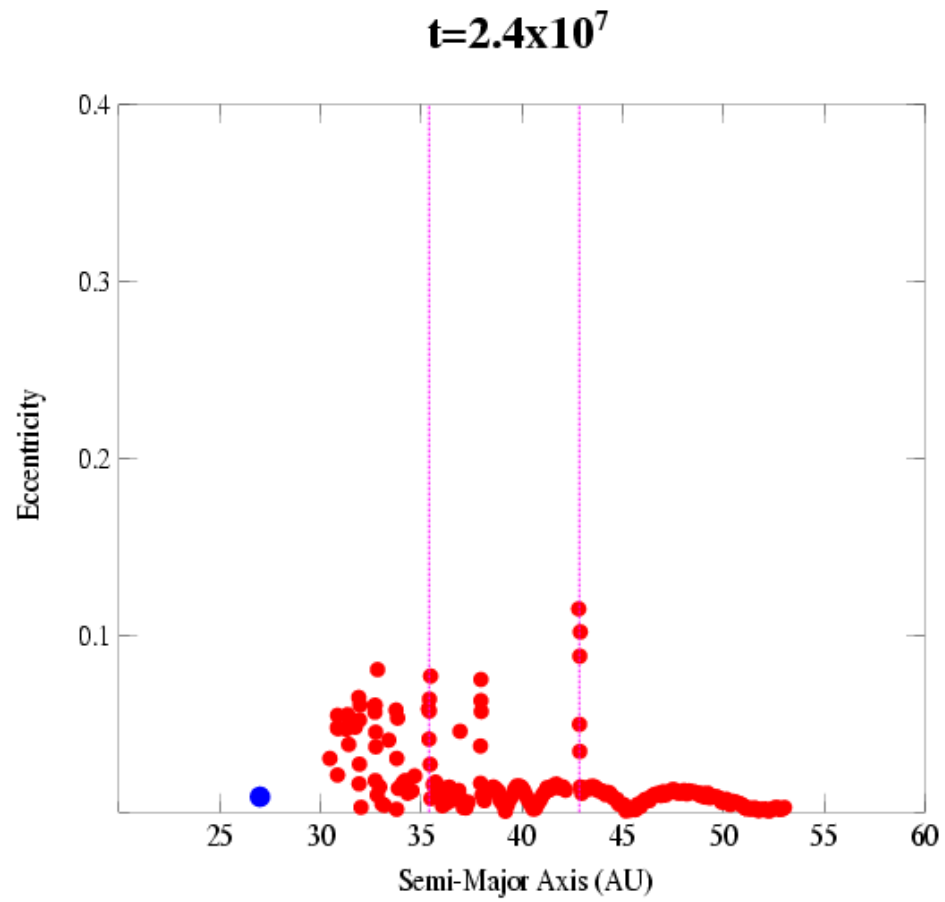
Kuiper belt 1.1



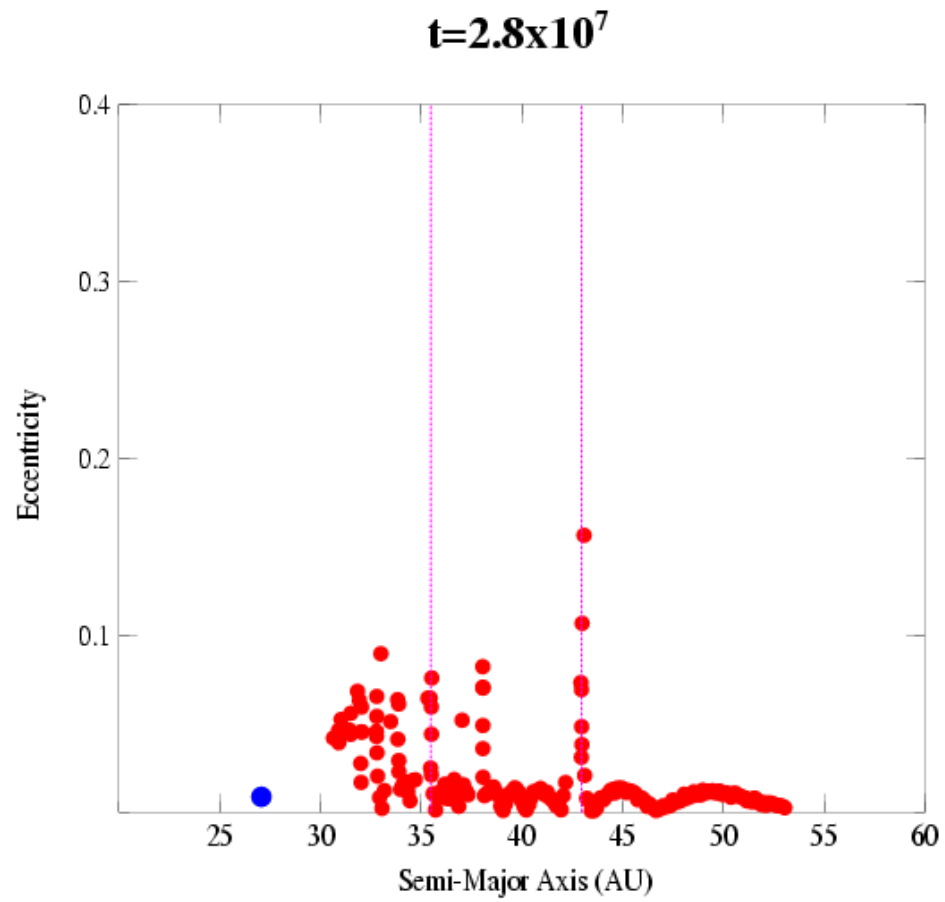
Kuiper belt 1.1



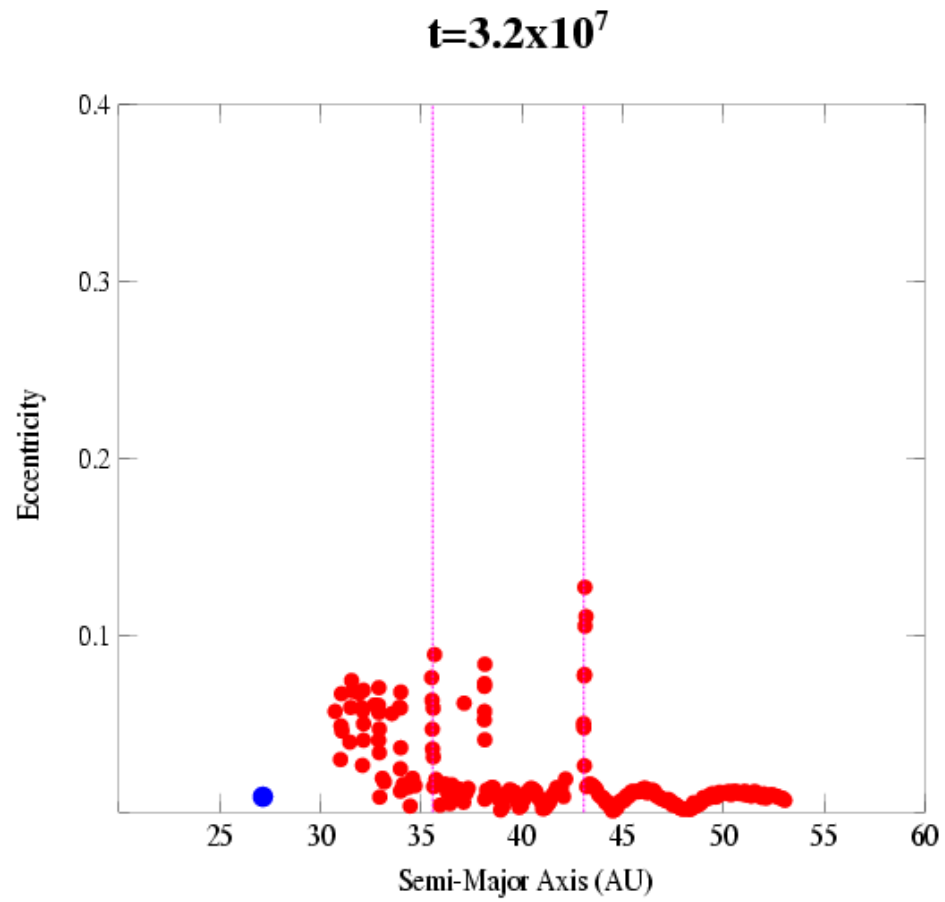
Kuiper belt 1.1



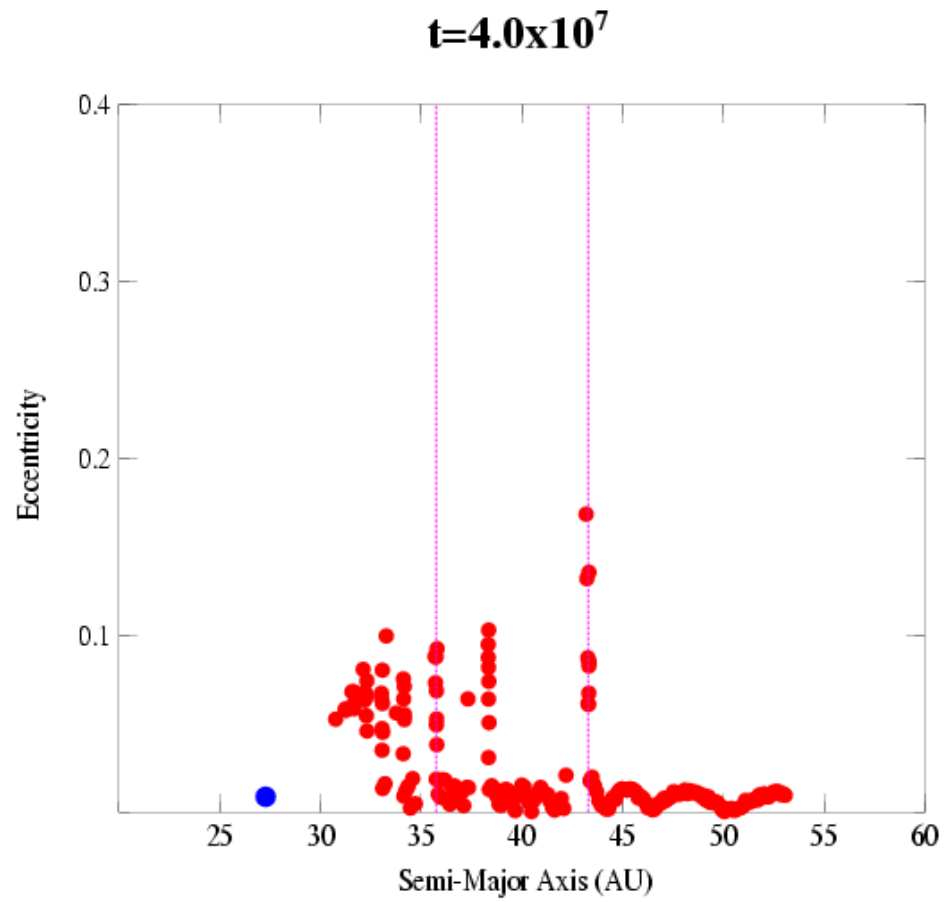
Kuiper belt 1.1



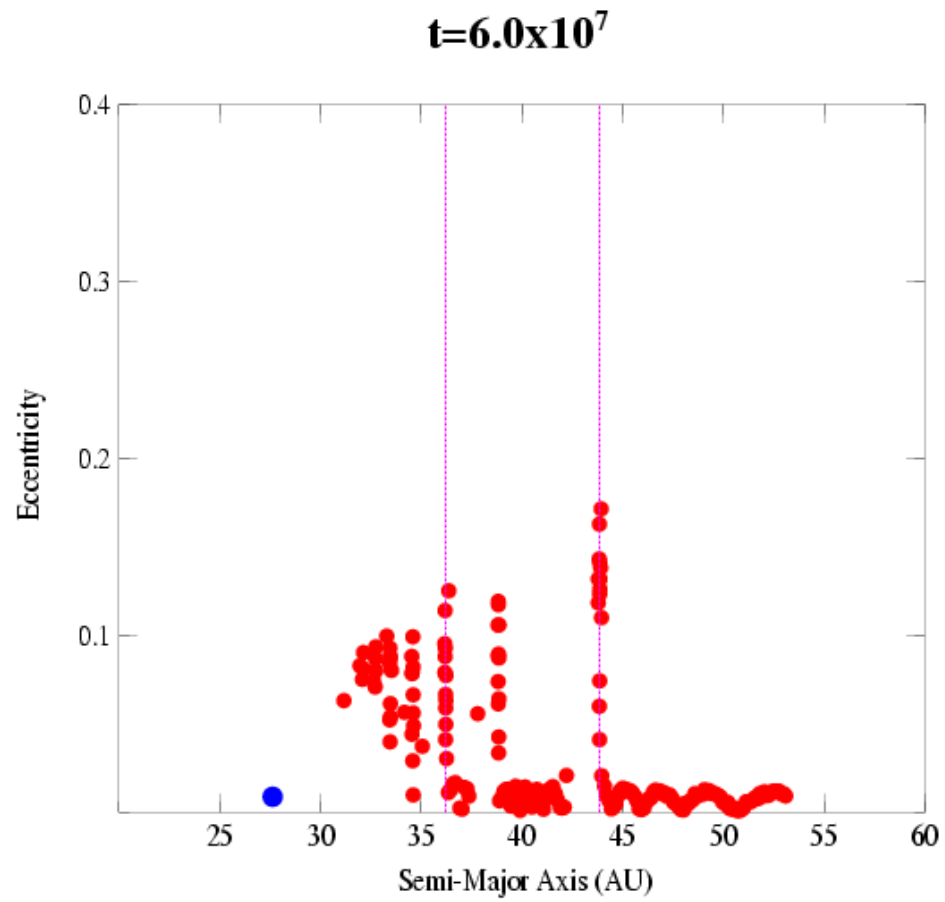
Kuiper belt 1.1



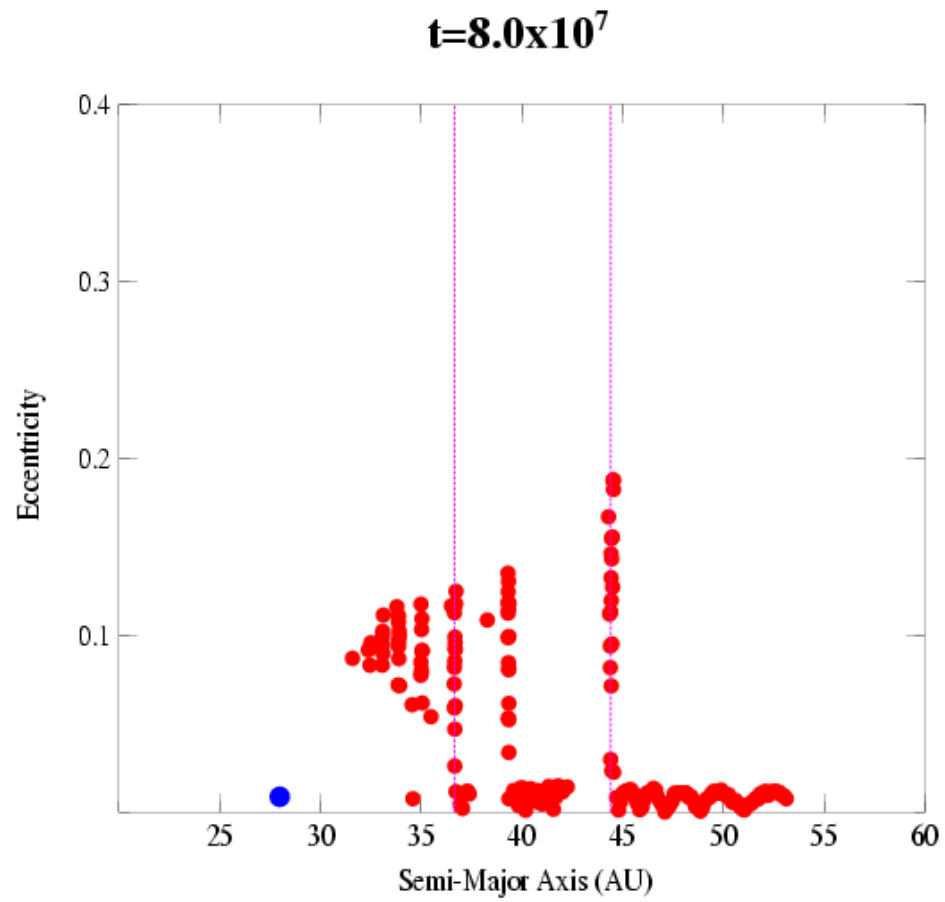
Kuiper belt 1.1



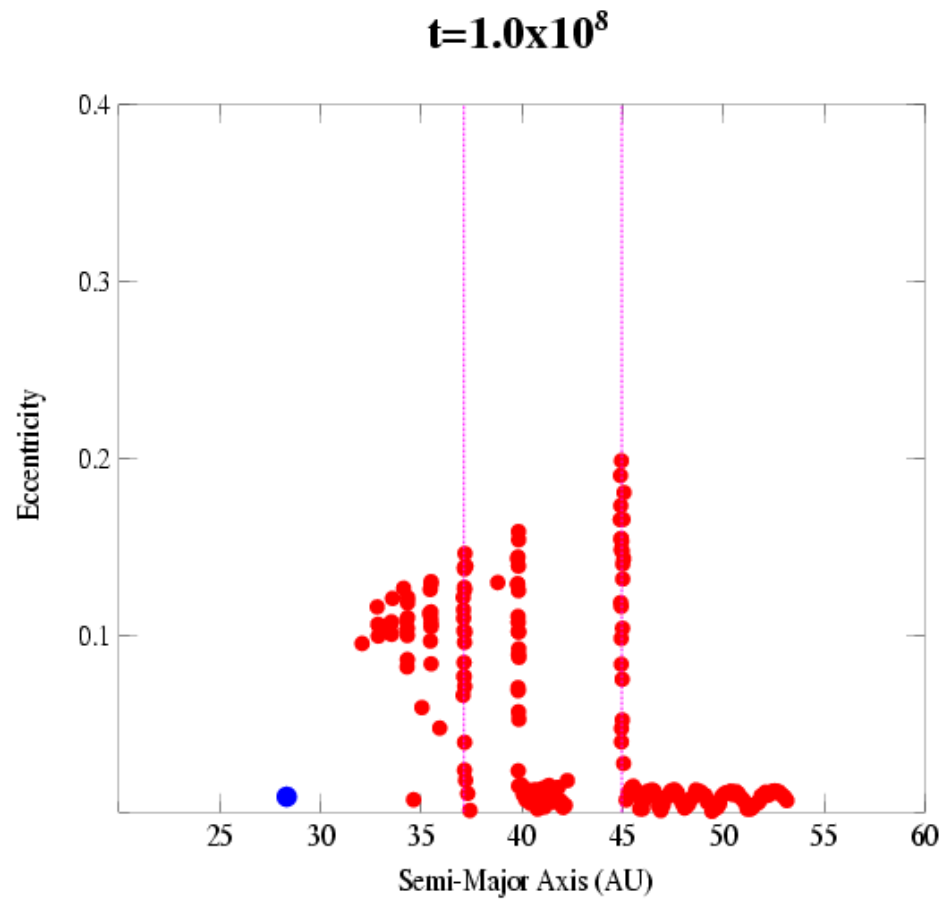
Kuiper belt 1.1



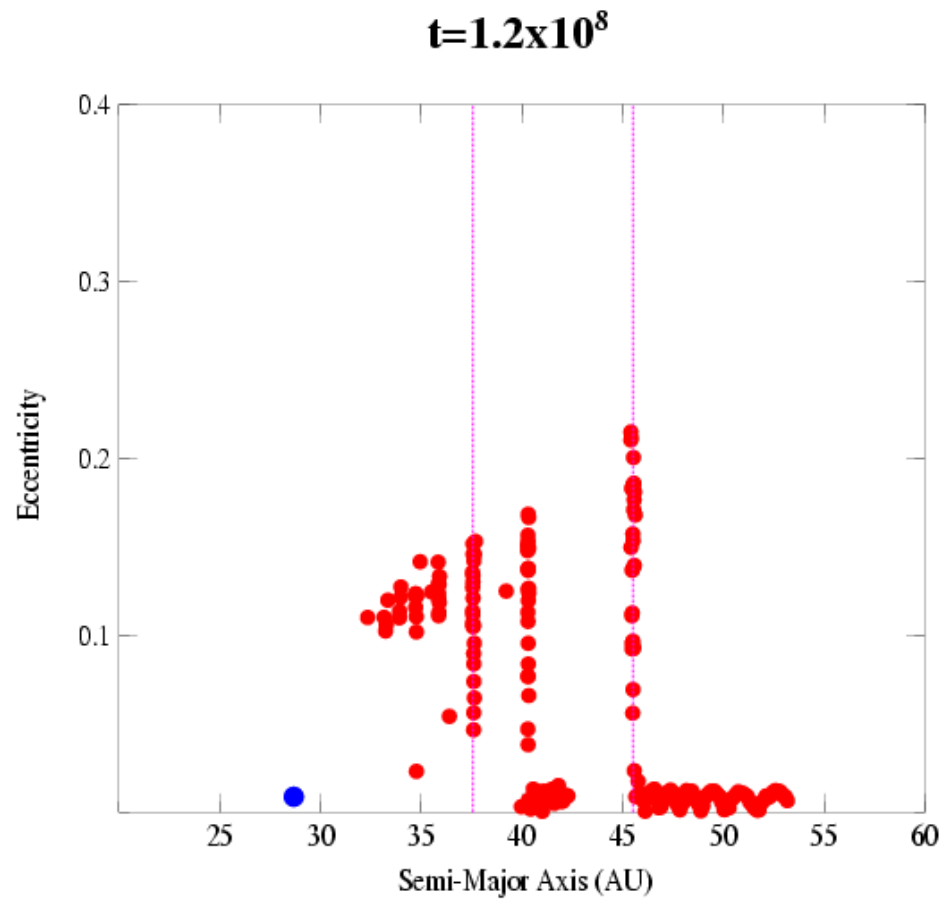
Kuiper belt 1.1



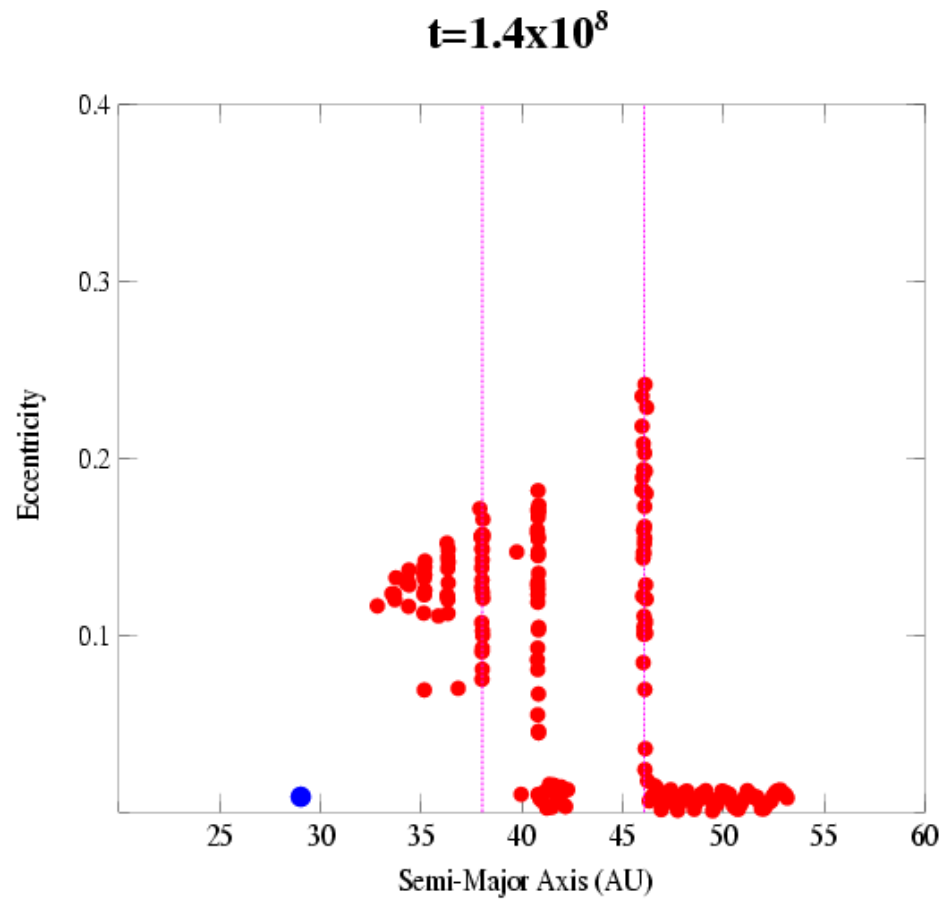
Kuiper belt 1.1



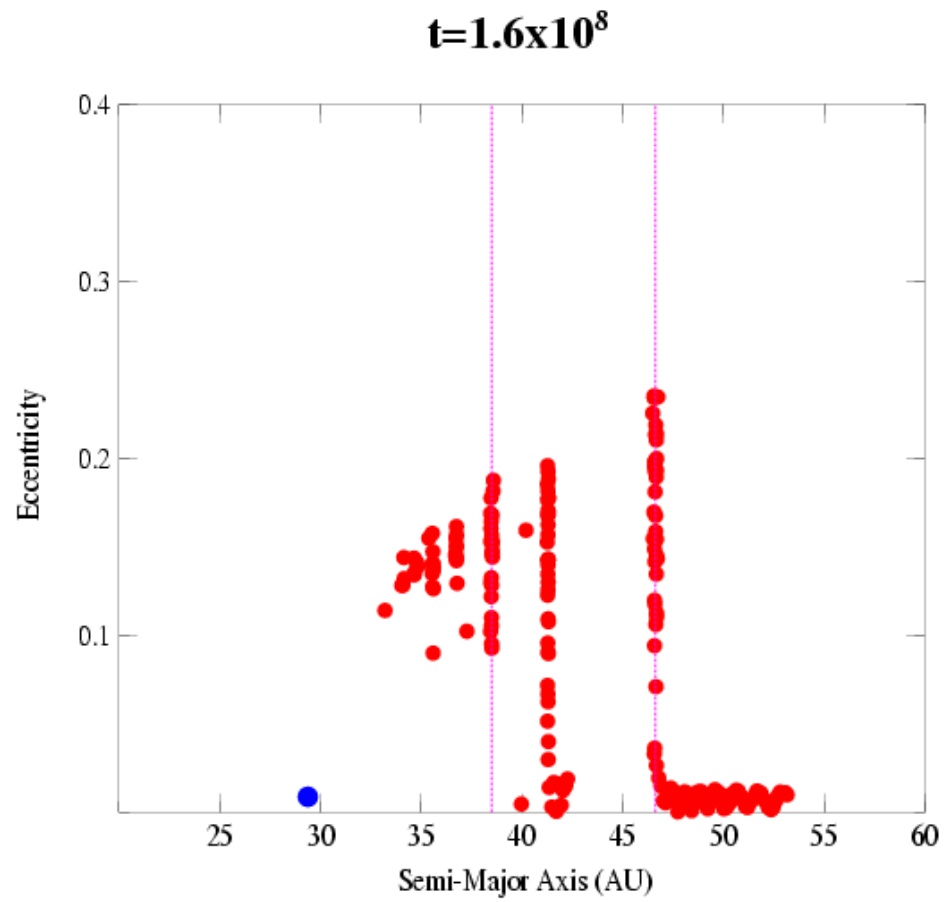
Kuiper belt 1.1



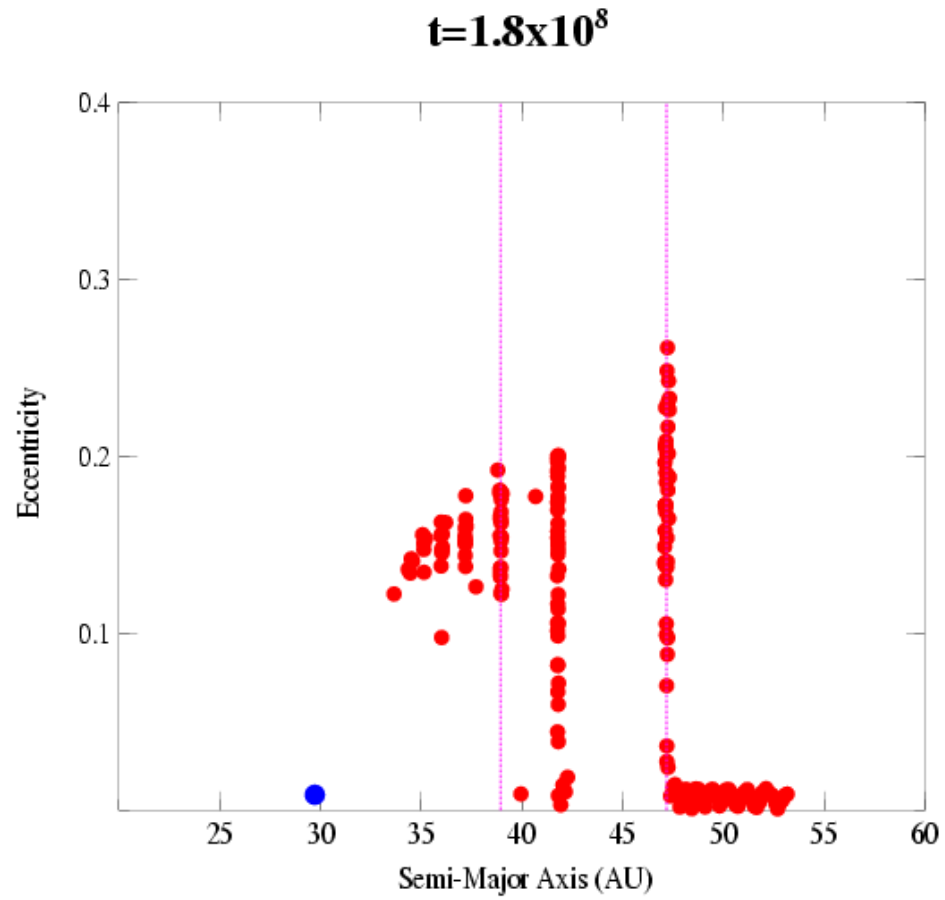
Kuiper belt 1.1



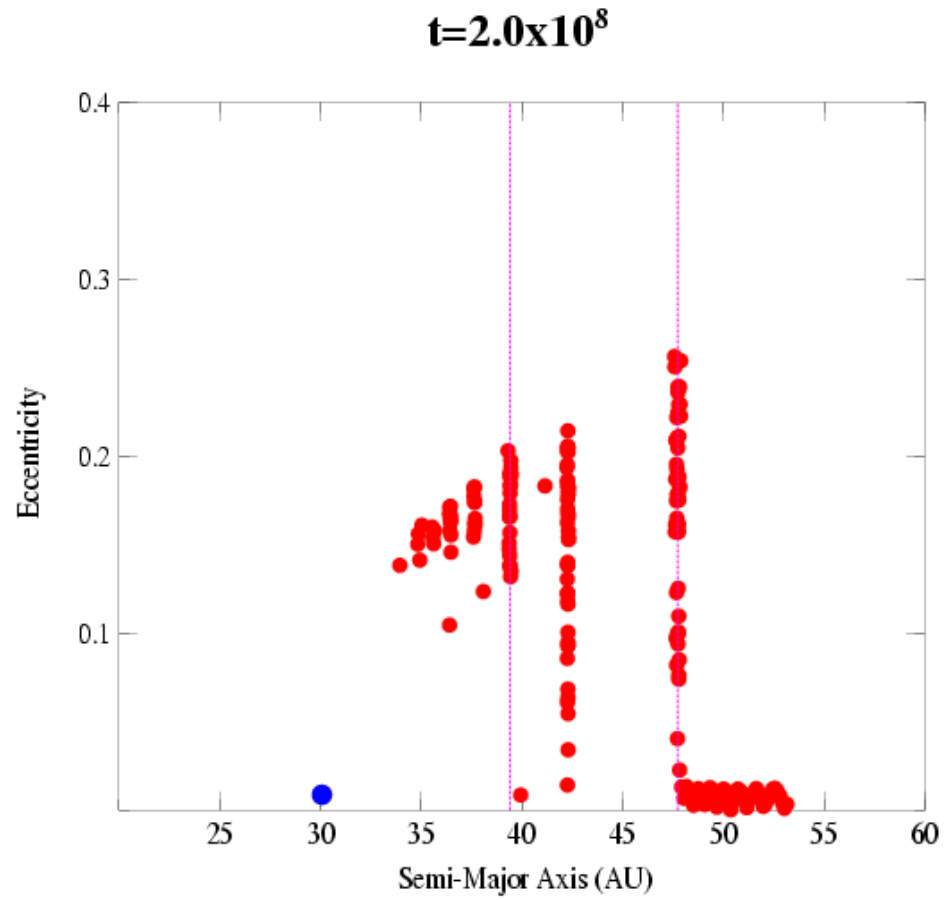
Kuiper belt 1.1



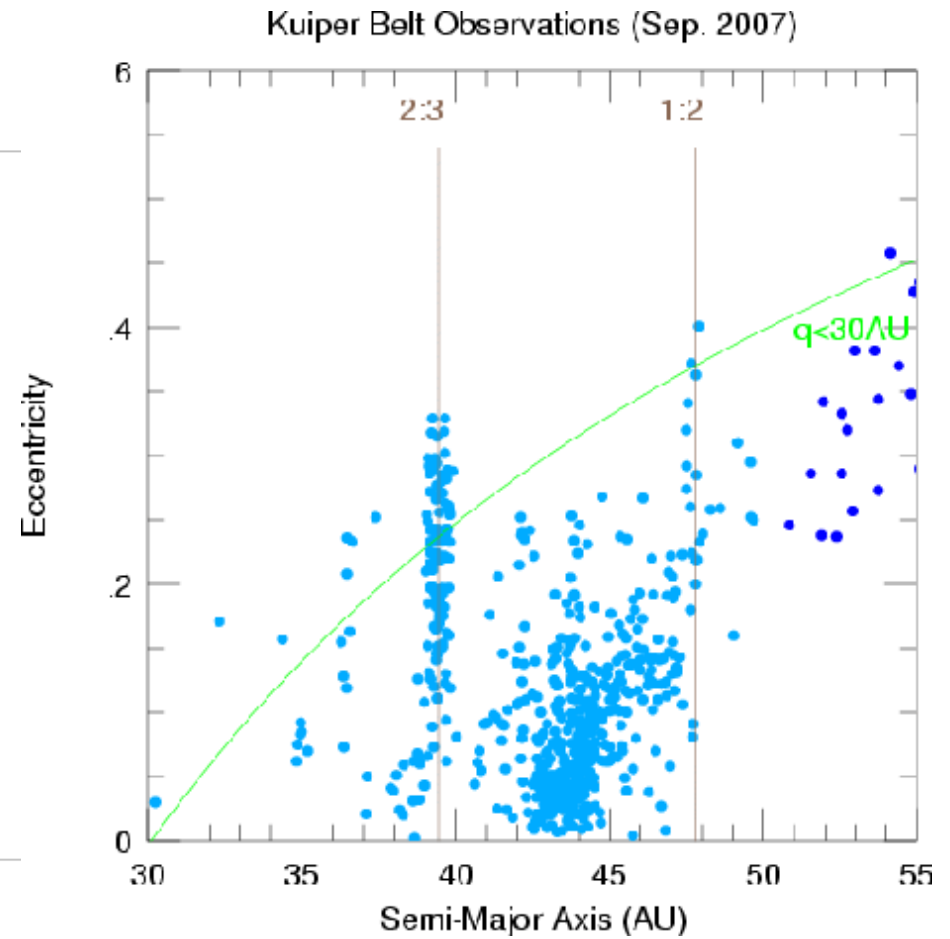
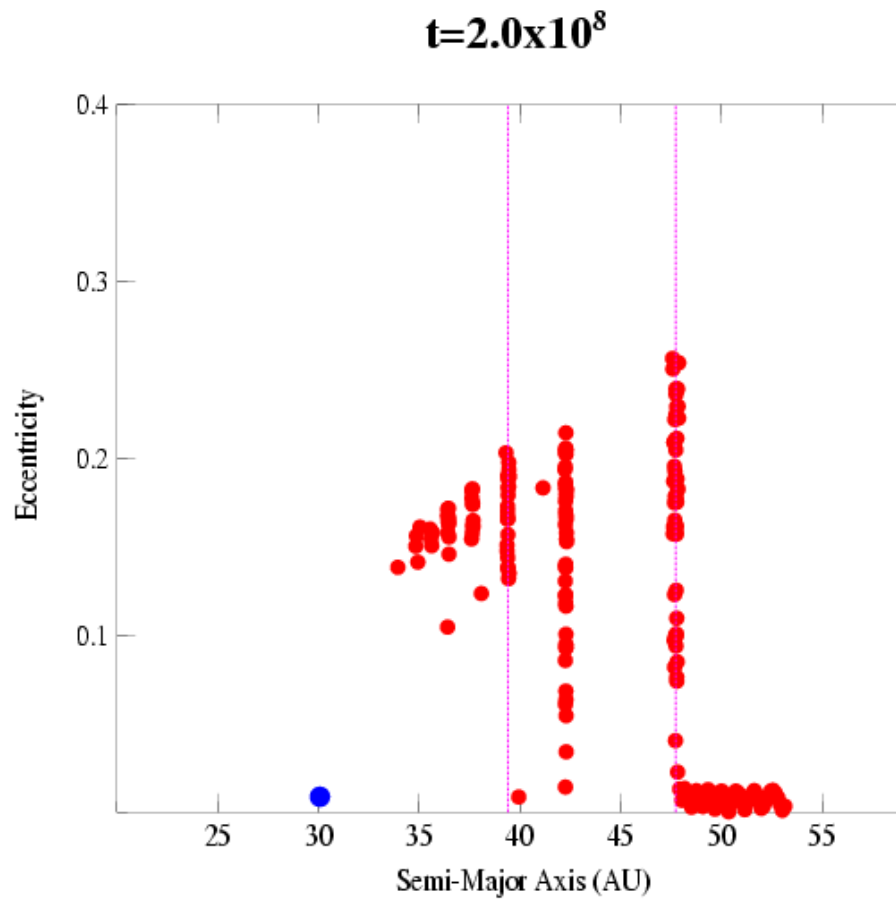
Kuiper belt 1.1



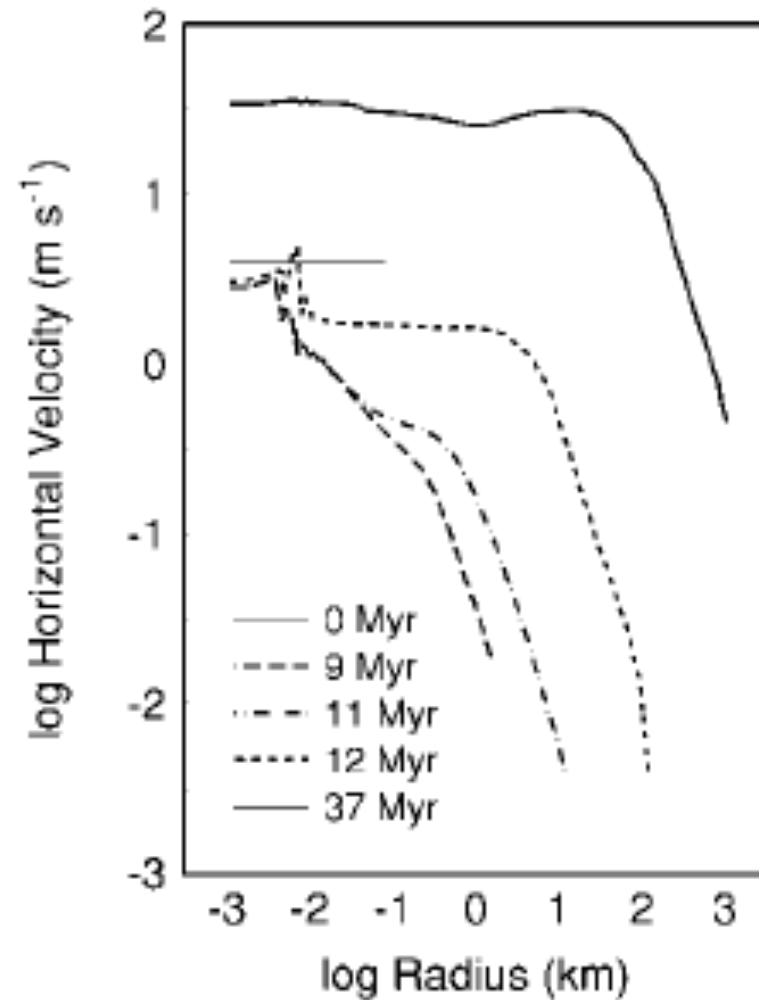
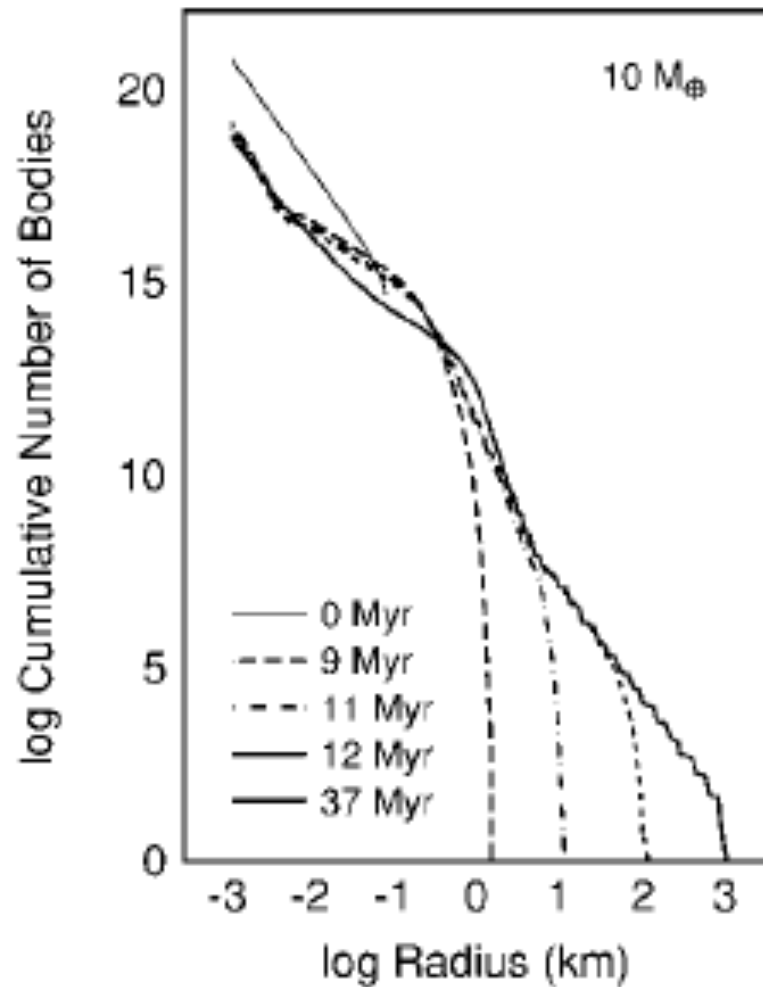
Kuiper belt 1.1



Kuiper belt 1.1

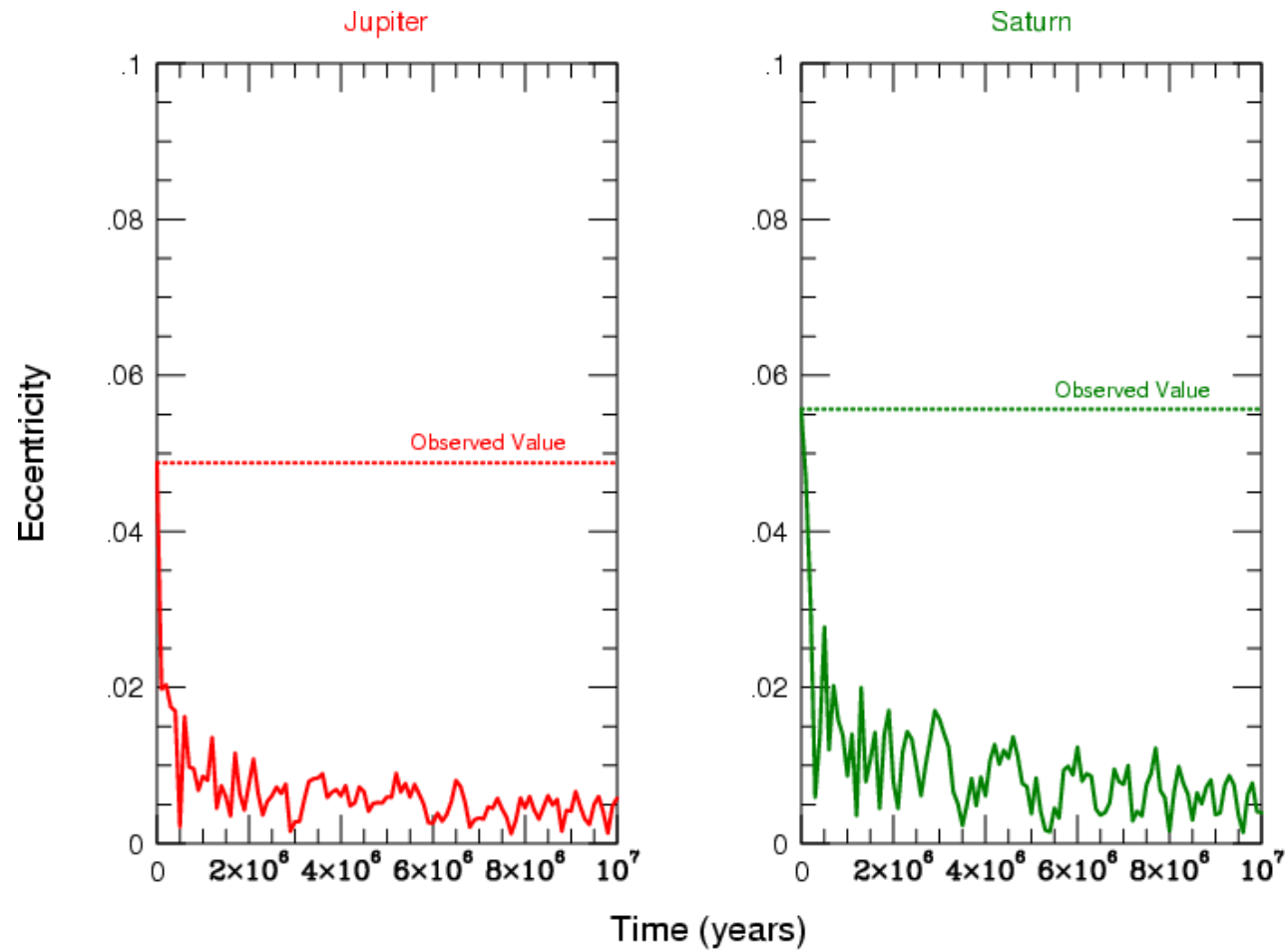


Kuiper belt 1.2



Dust 1.0

Kuiper belt 1.2; uh oh



J 3:2 2:1 **S** 5:2

5.2 AU	6.8 AU	8.2 AU	9.2 AU	9.6AU
11.6 yrs	17.8 yr	23.7 yr	29.5 yr	29.6 yr

Kuiper belt 2.0

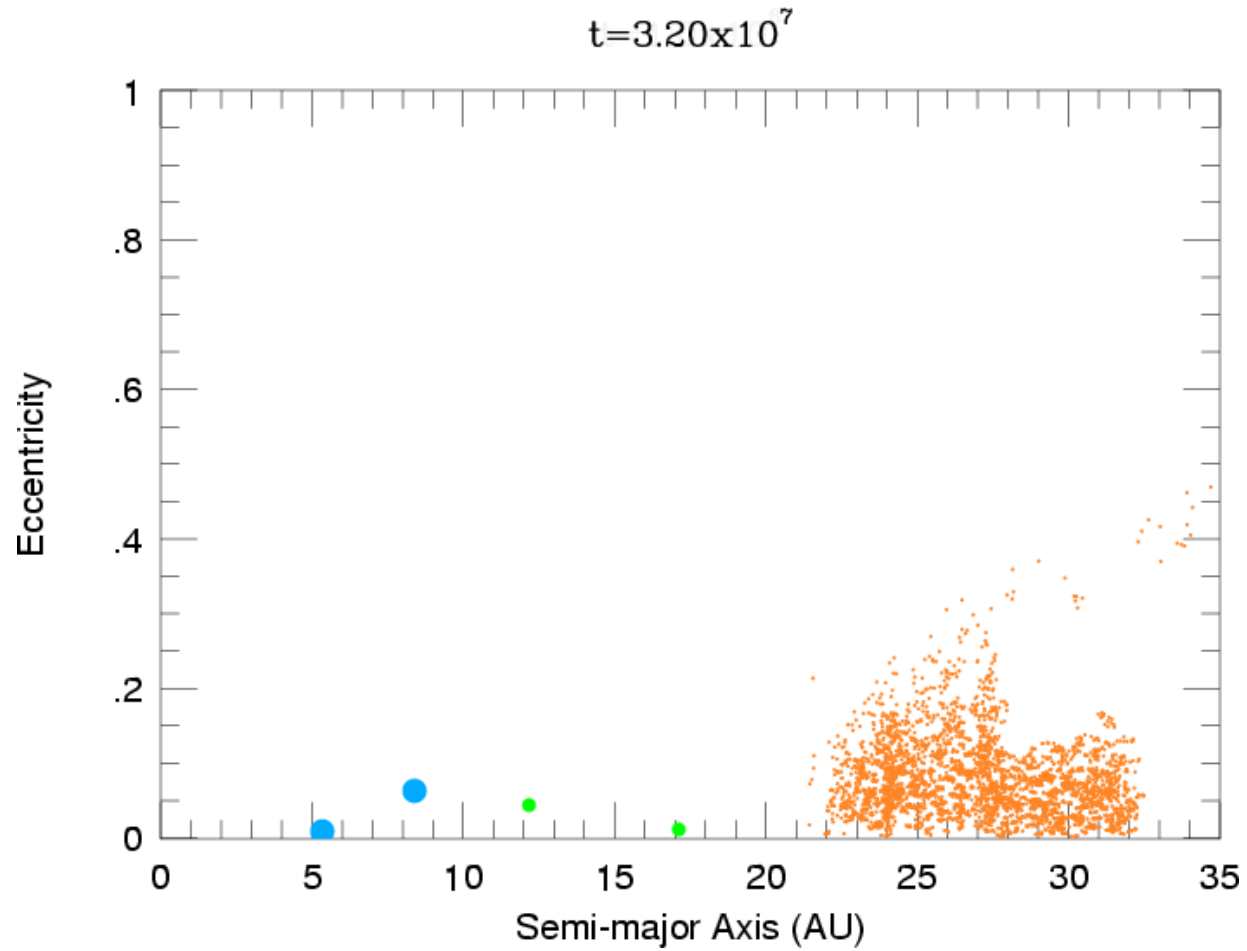
J 3:2 2:1 **S** 5:2

5.2 AU	6.8 AU	8.2 AU	9.2 AU	9.6AU
11.6 yrs	17.8 yr	23.7 yr	29.5 yr	29.6 yr

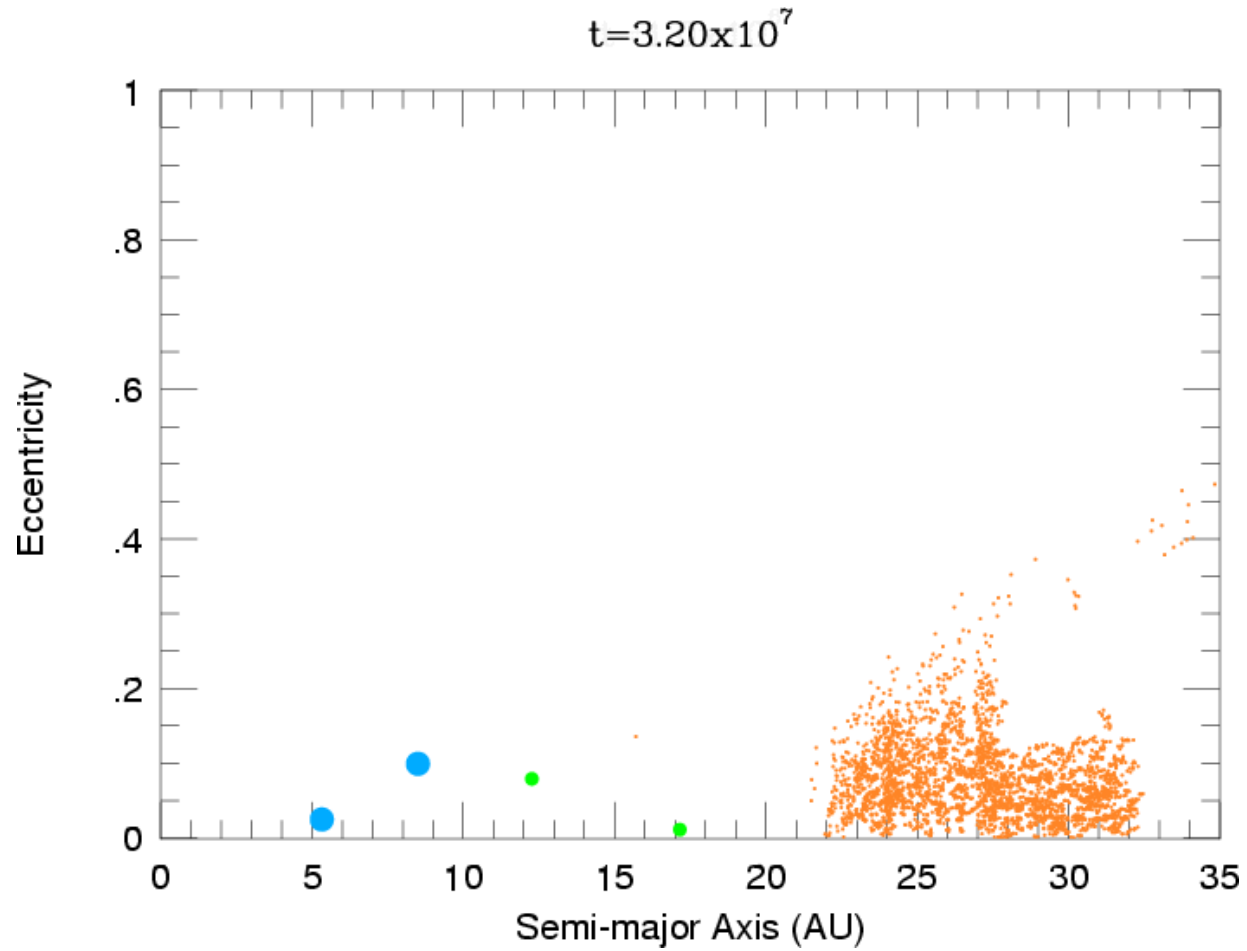
J 3:2 **S** 2:1 5:2

5.6 AU	7.3 AU	8.6 AU	8.8 AU	10.3AU
13.2 yrs	19.9 yr	25.2 yr	26.5 yr	33.1 yr

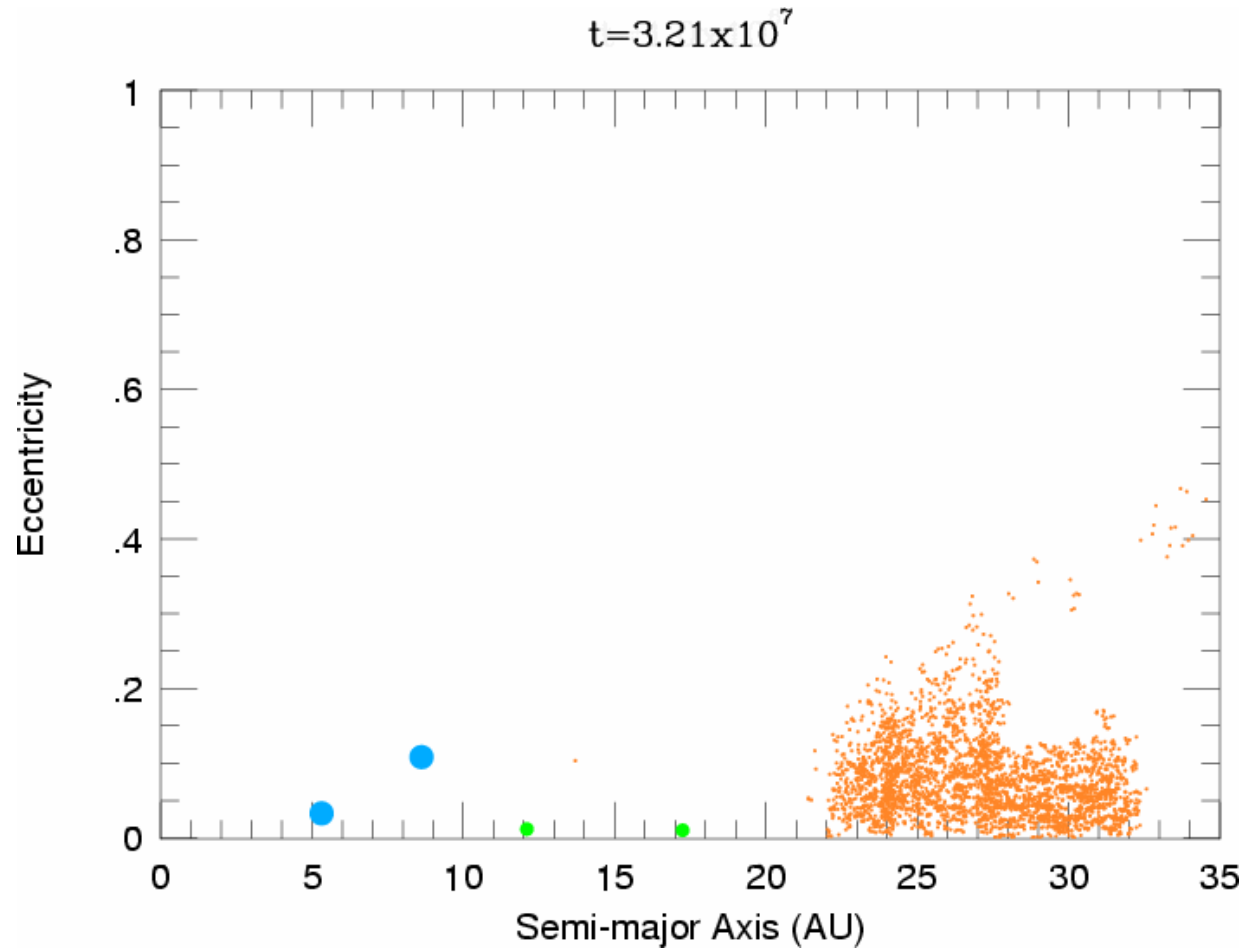
Kuiper belt 2.0



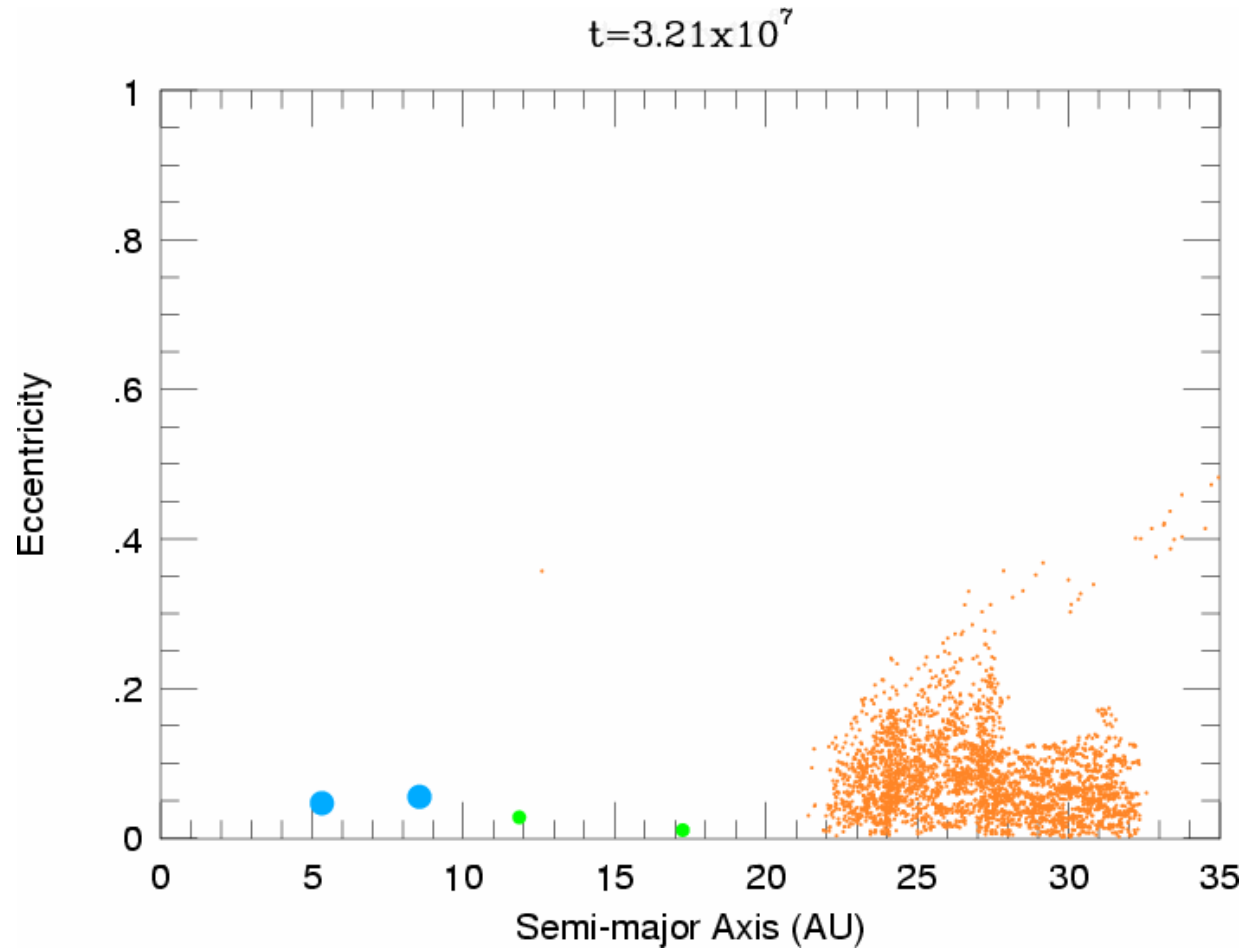
Kuiper belt 2.0



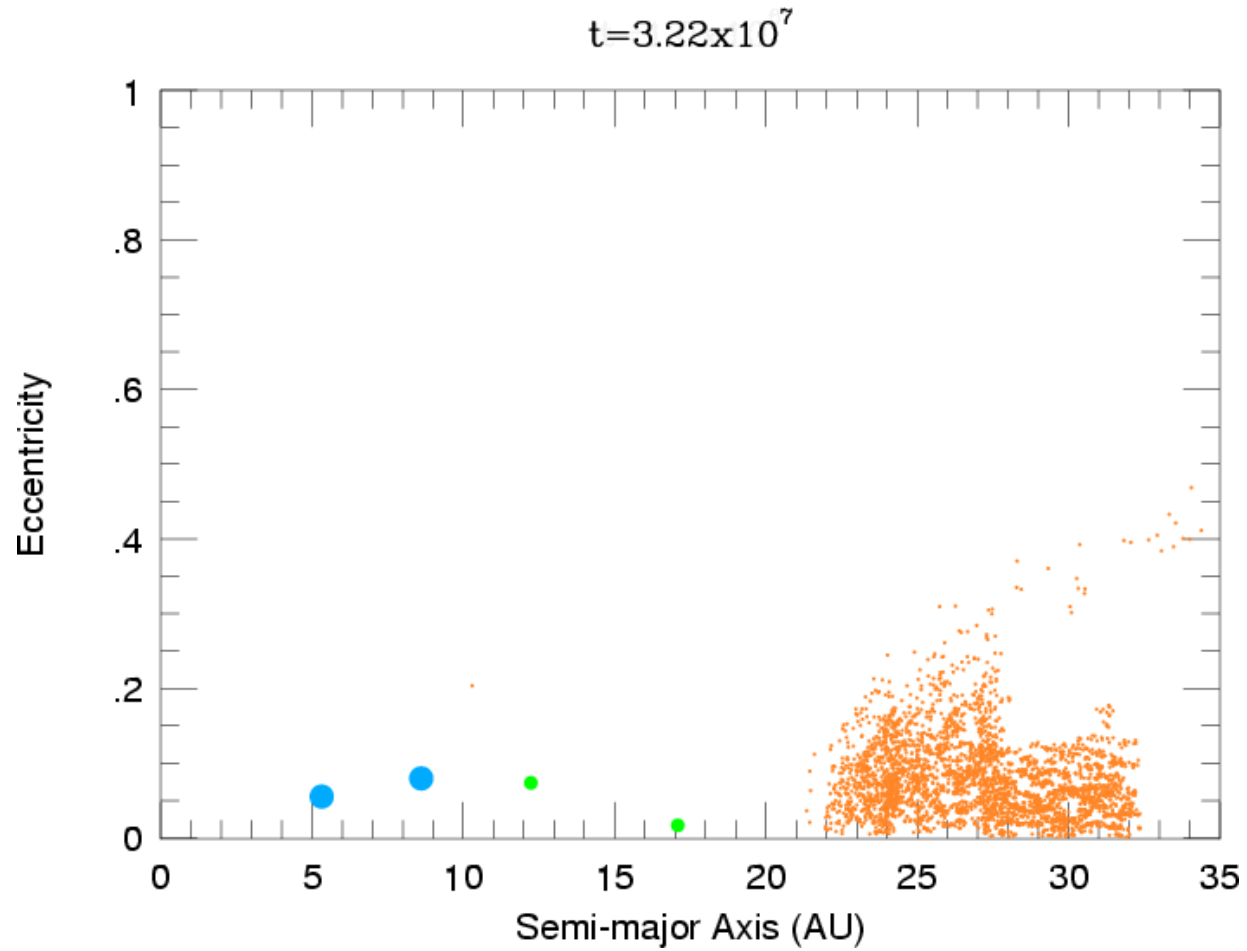
Kuiper belt 2.0



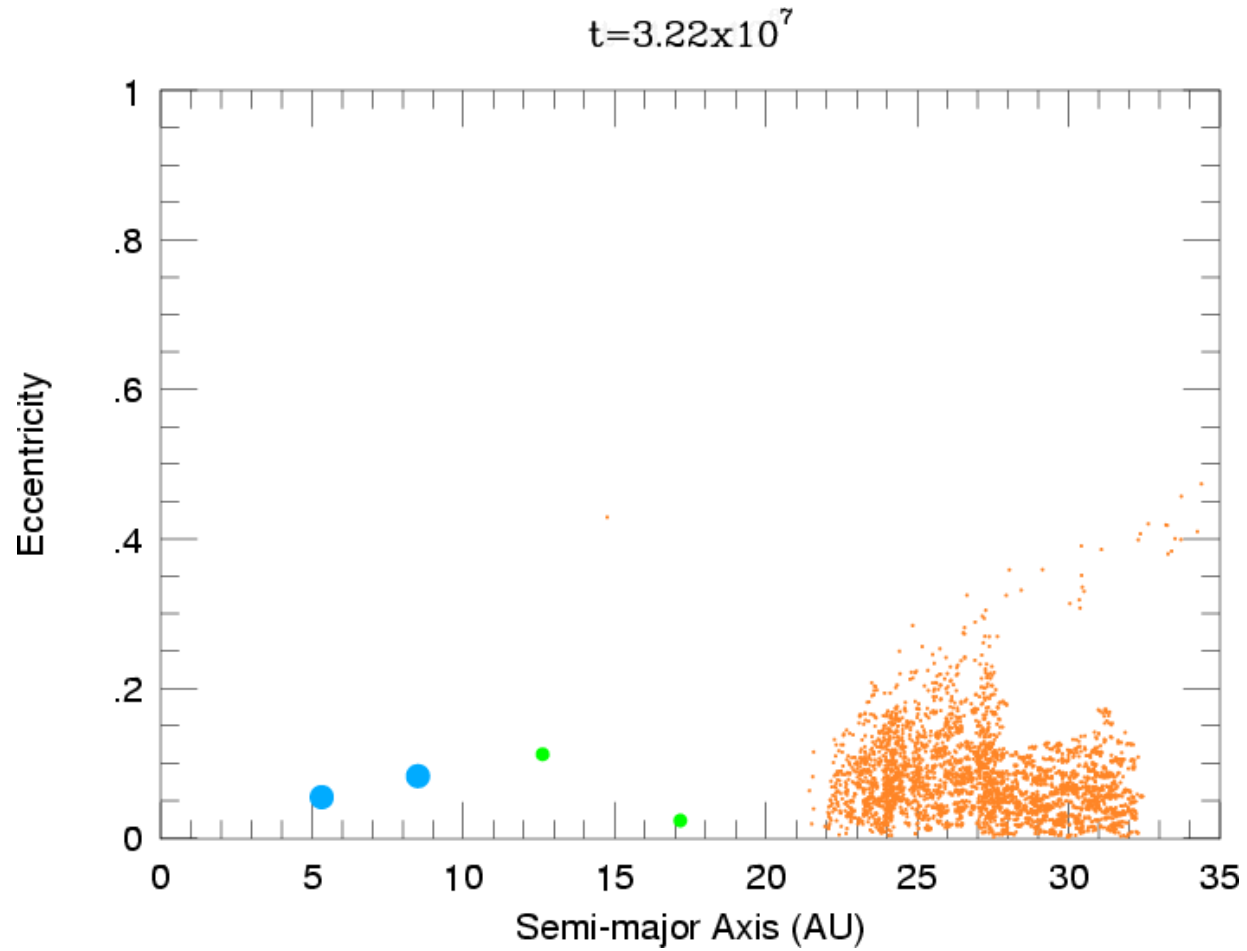
Kuiper belt 2.0



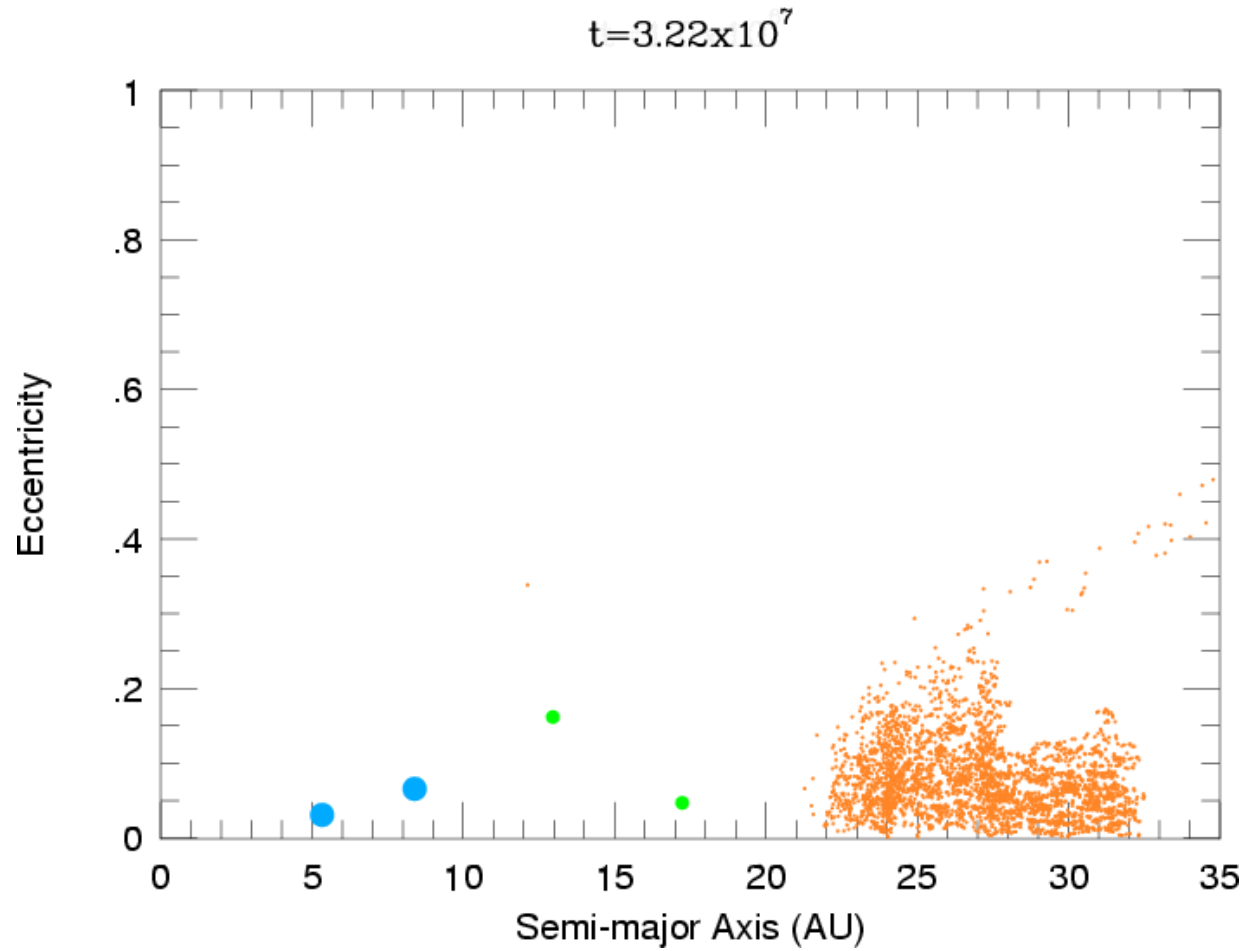
Kuiper belt 2.0



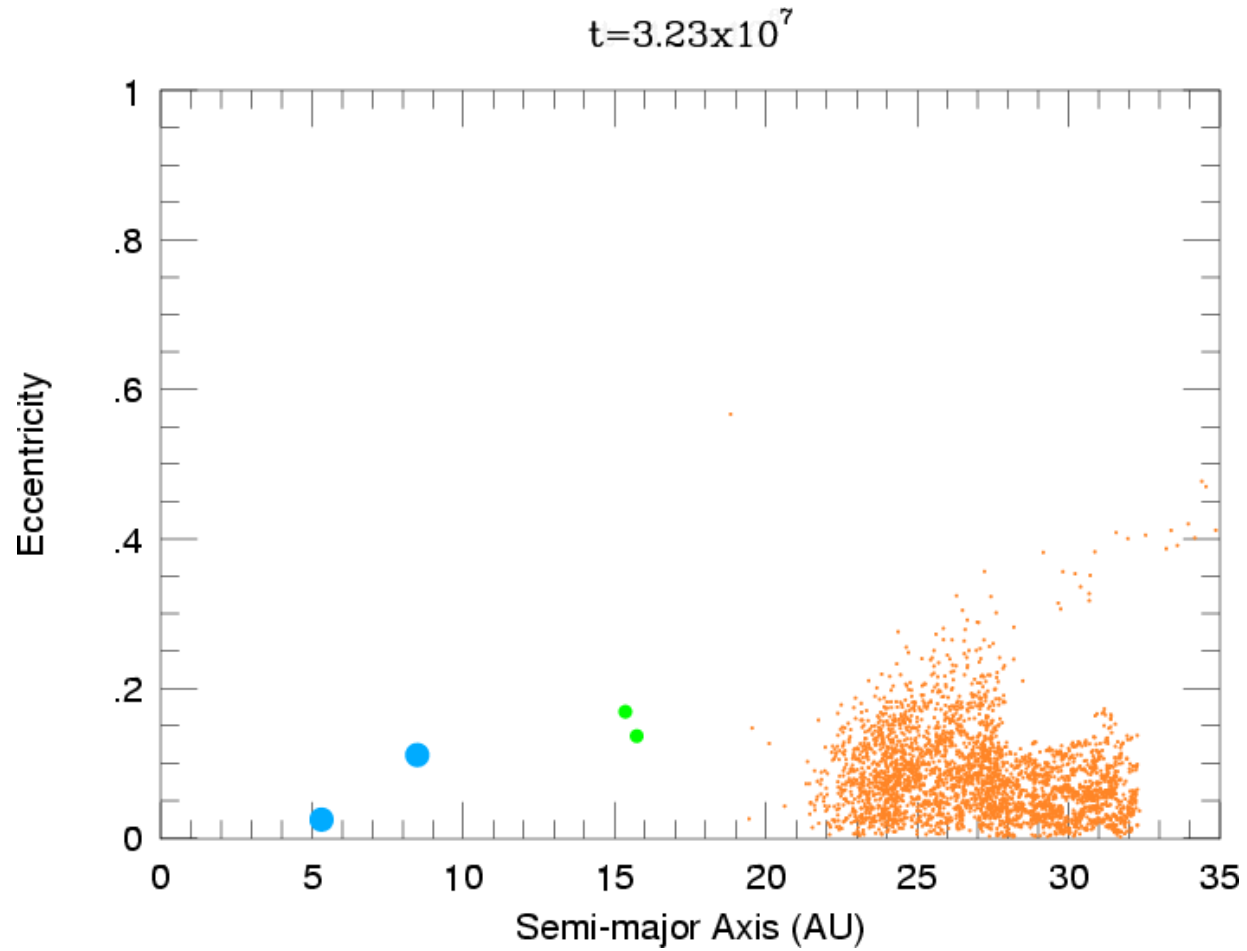
Kuiper belt 2.0



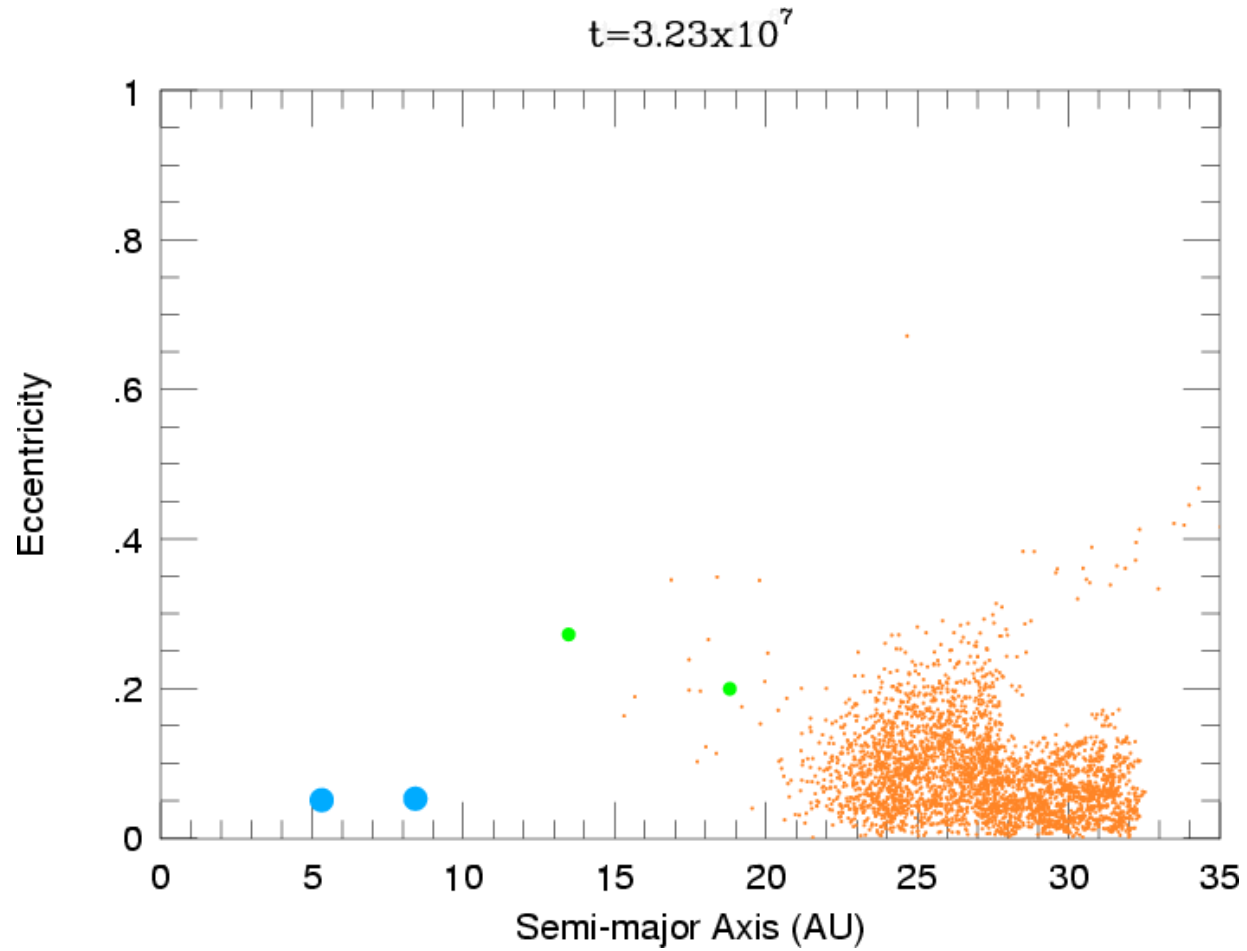
Kuiper belt 2.0



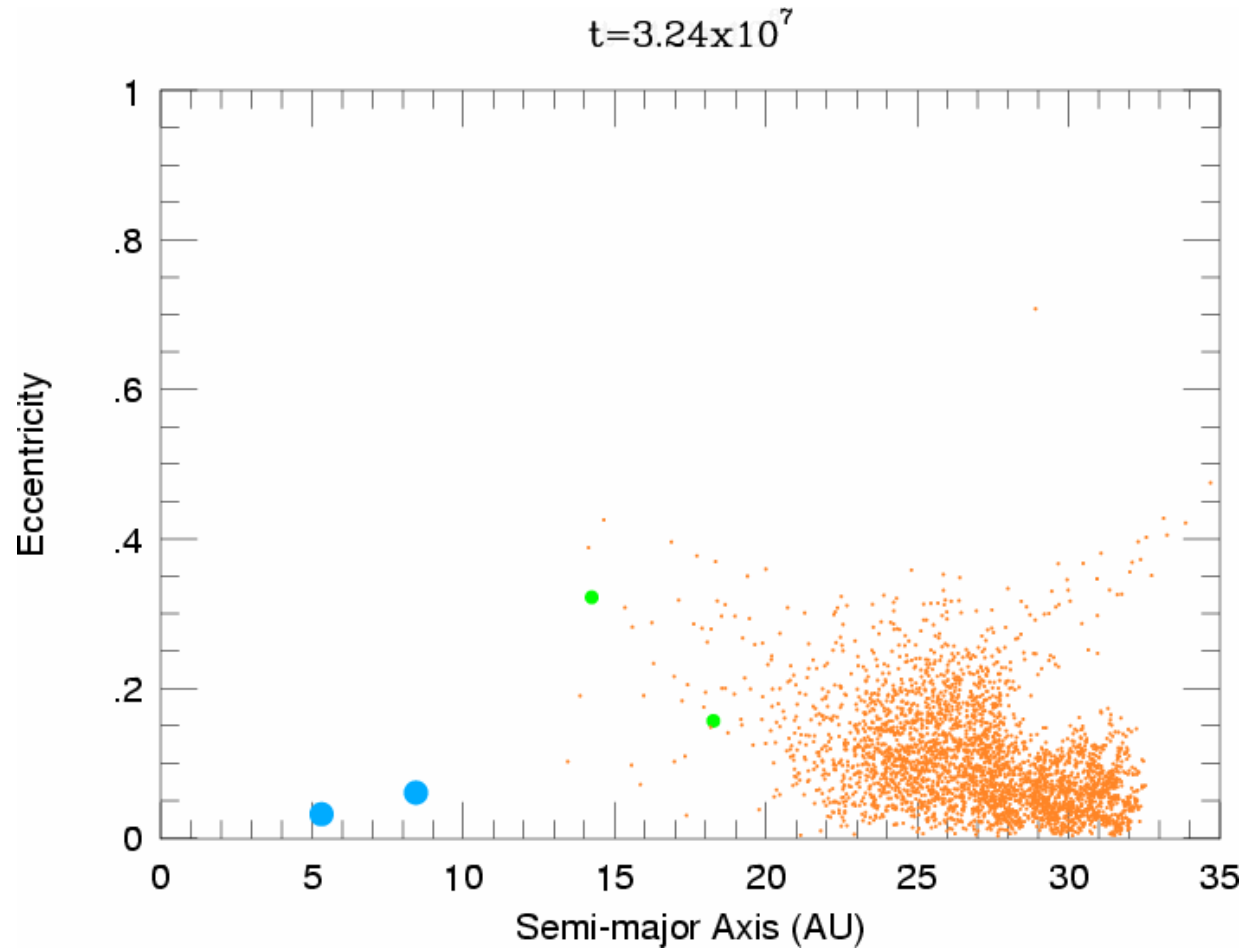
Kuiper belt 2.0



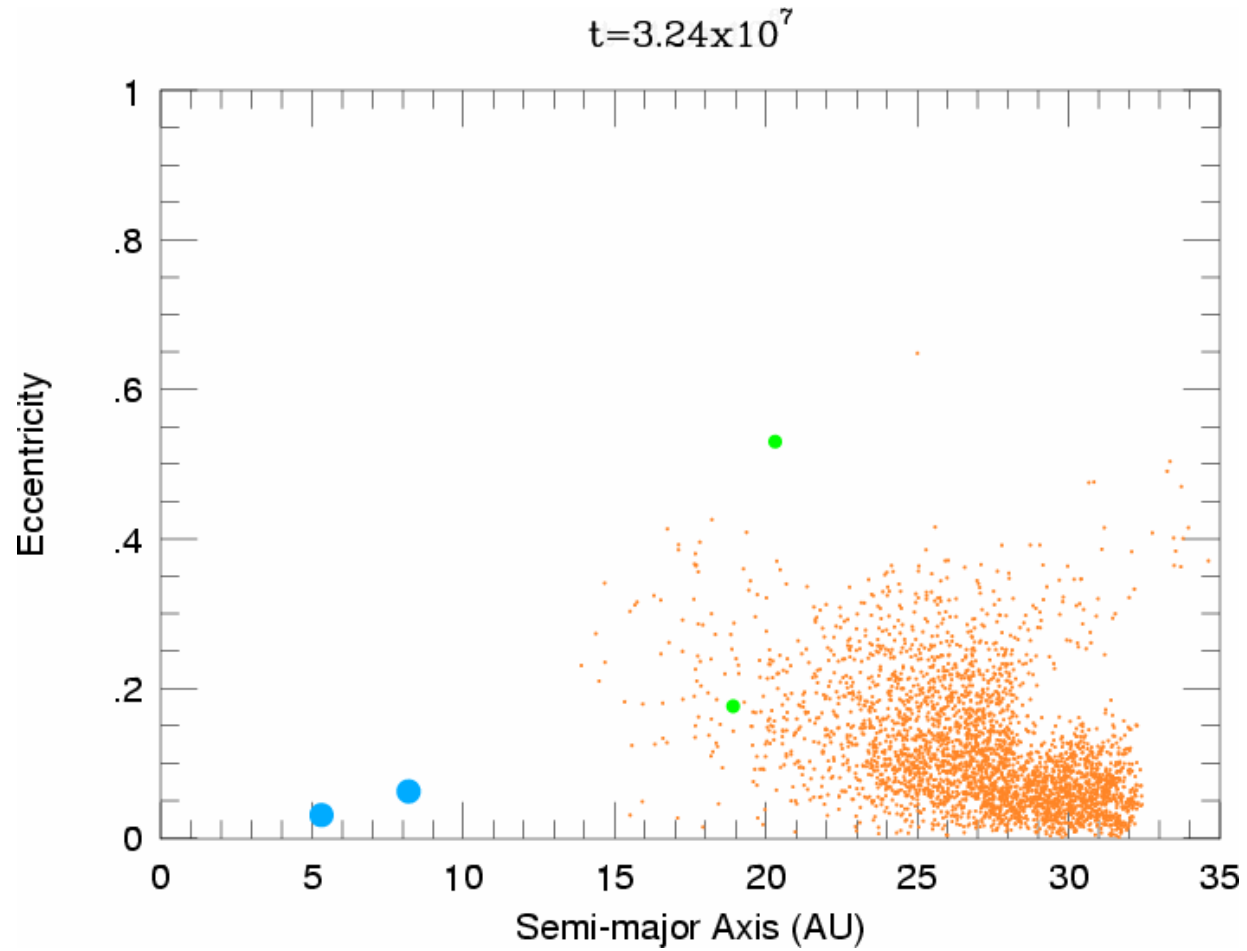
Kuiper belt 2.0



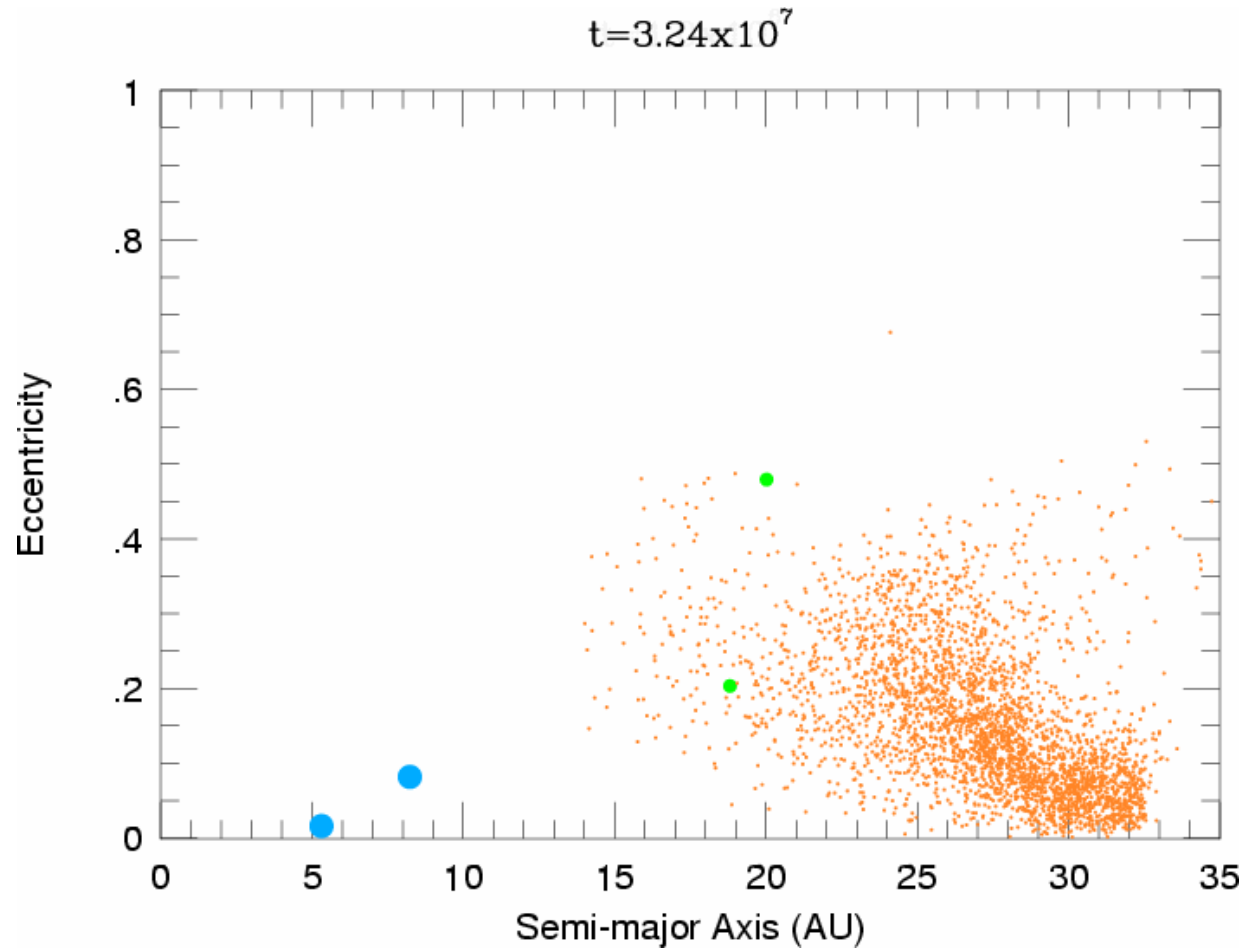
Kuiper belt 2.0



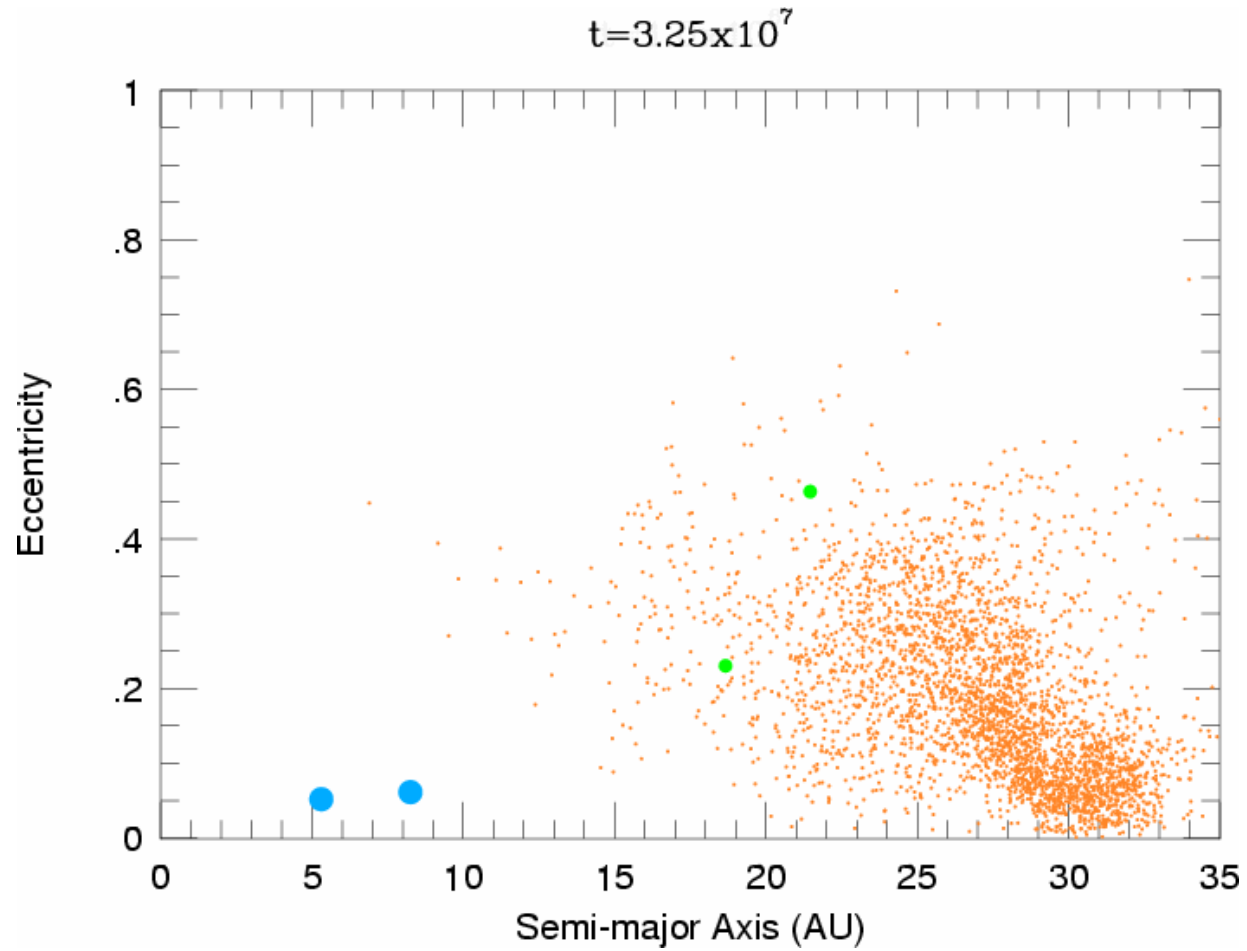
Kuiper belt 2.0



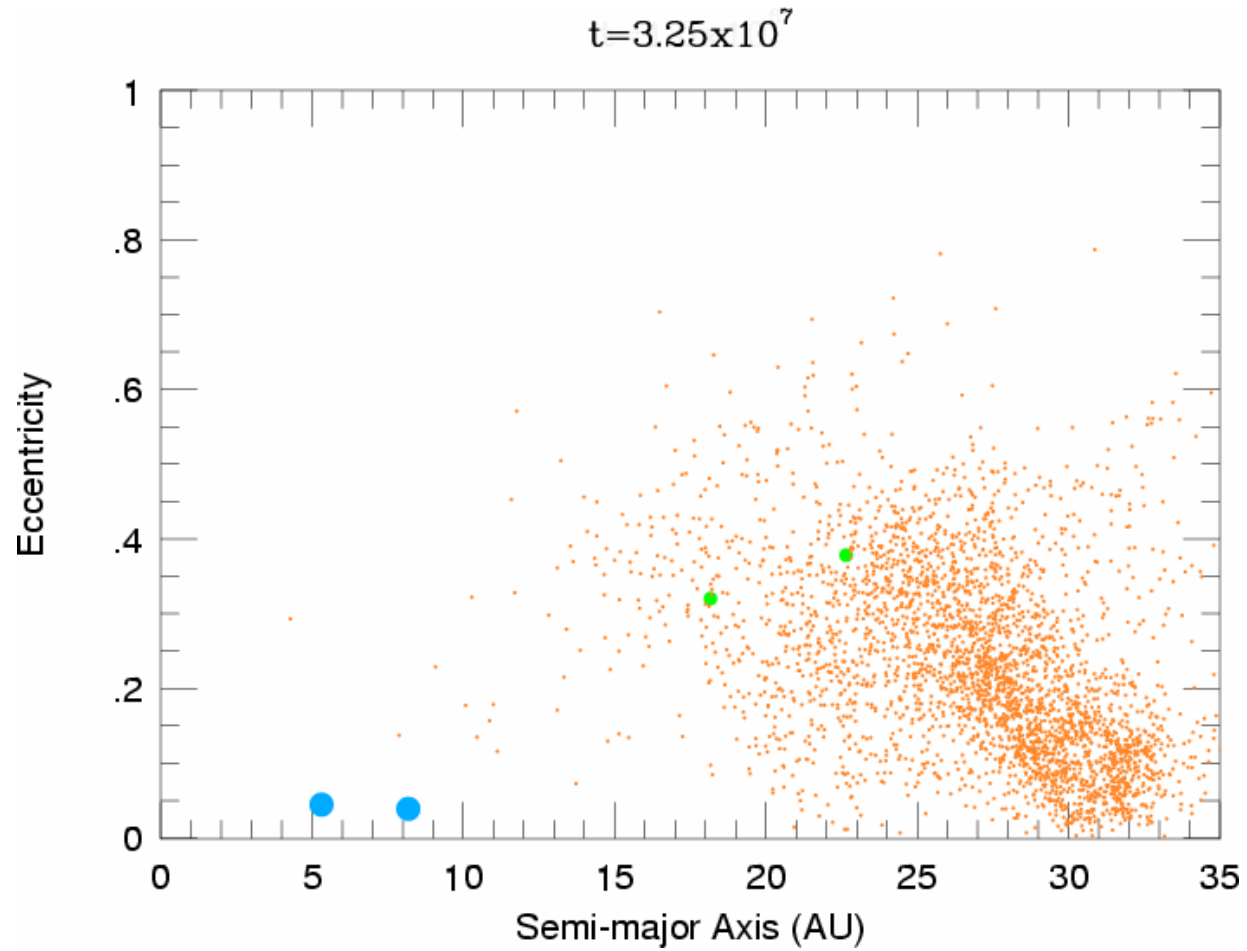
Kuiper belt 2.0



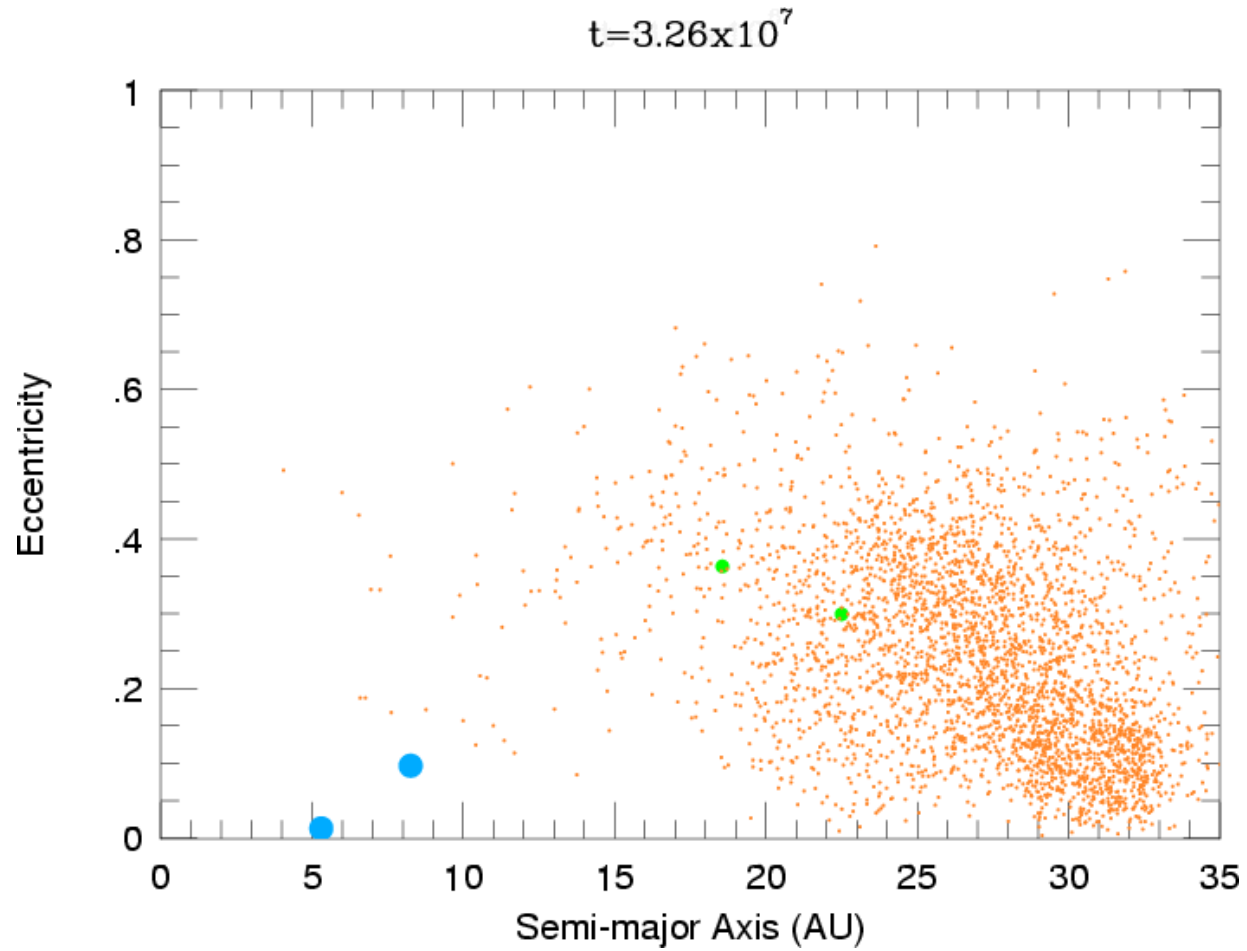
Kuiper belt 2.0



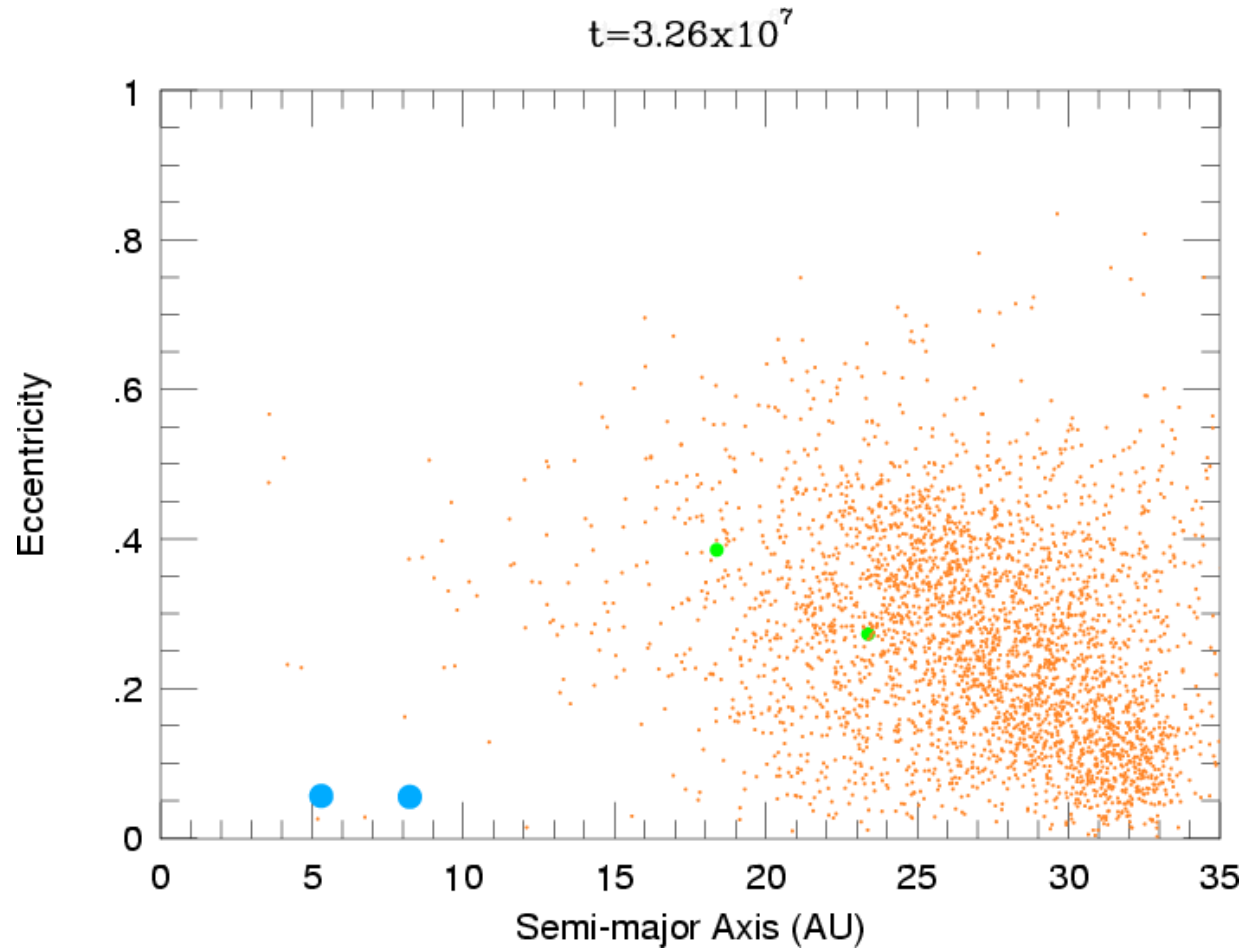
Kuiper belt 2.0



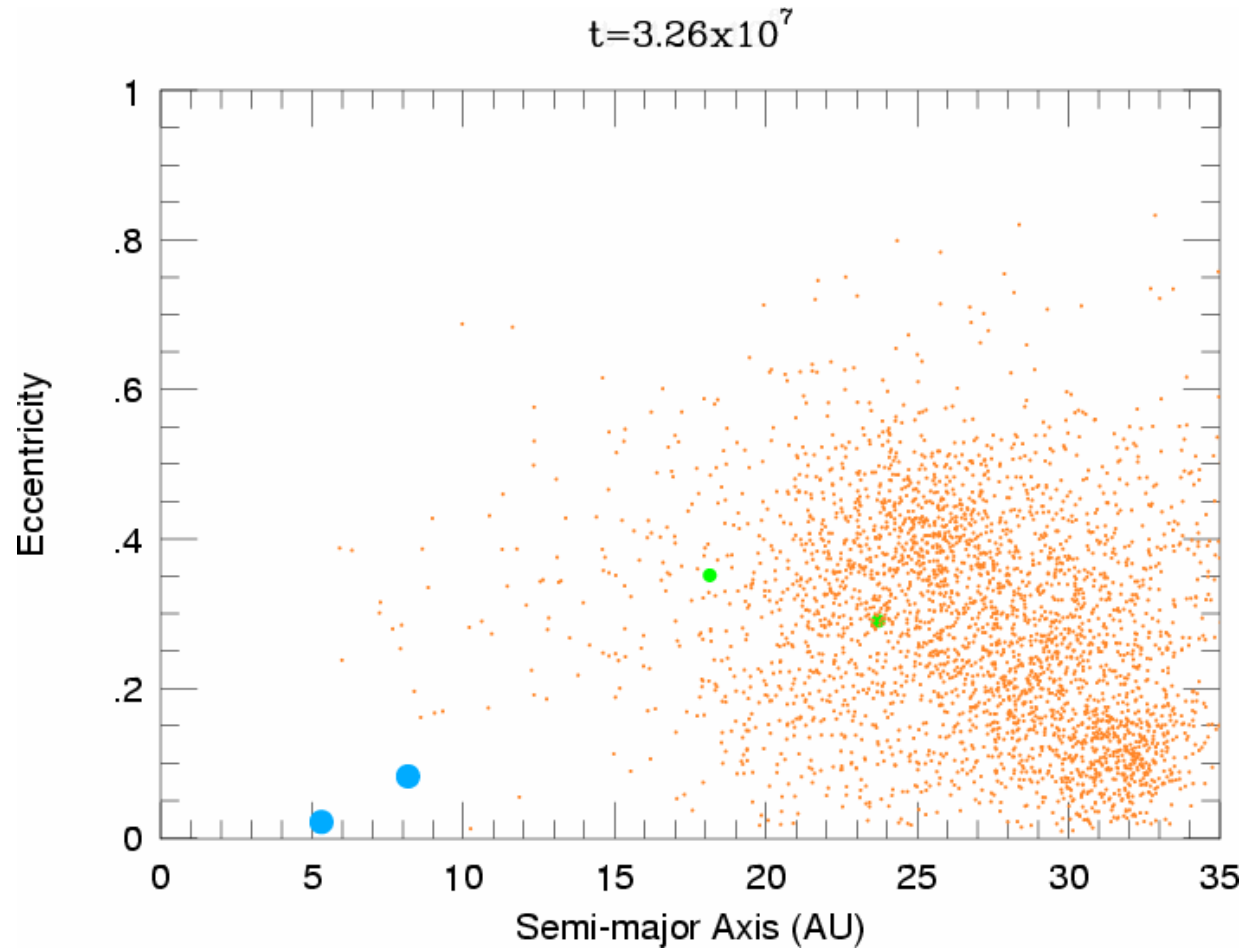
Kuiper belt 2.0



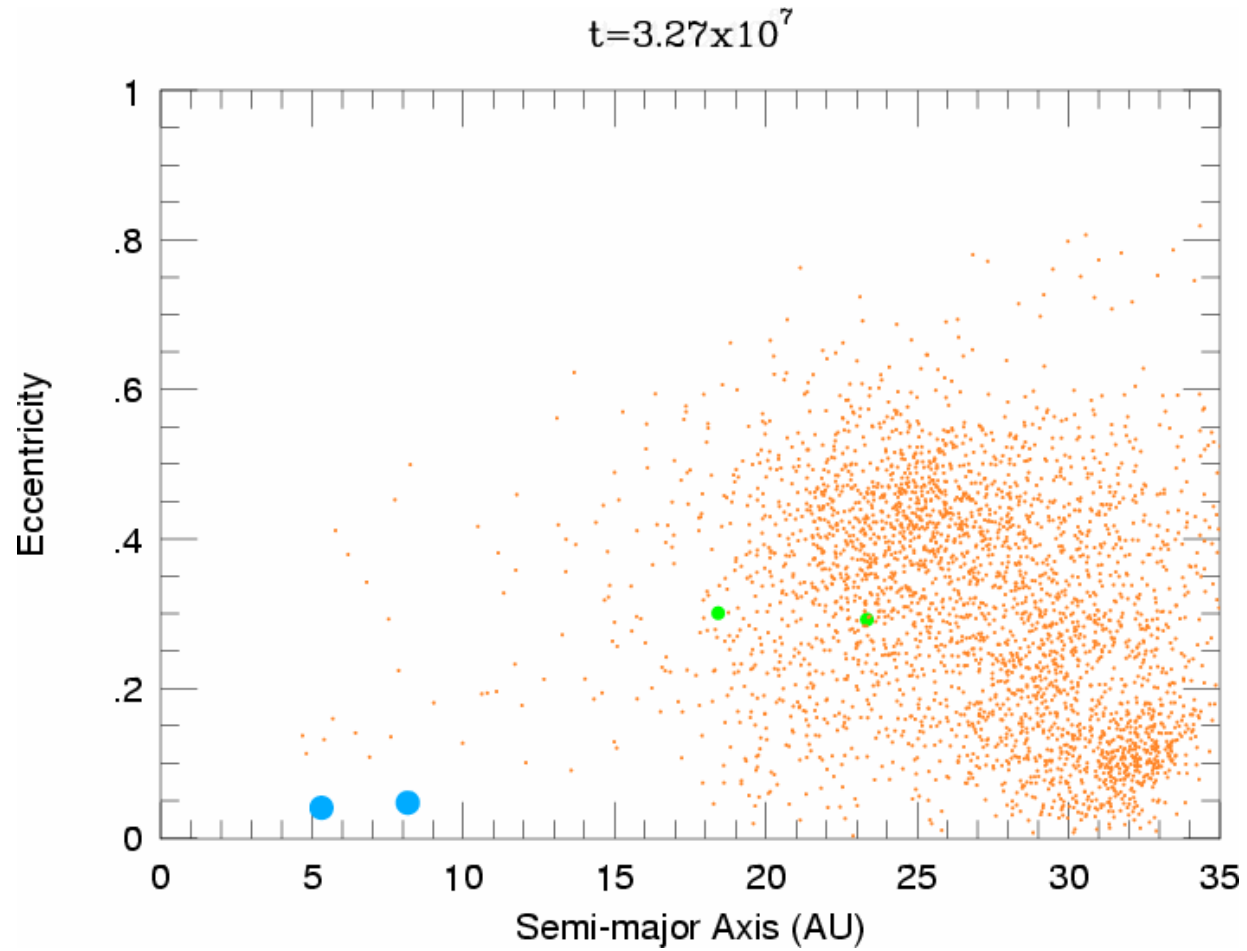
Kuiper belt 2.0



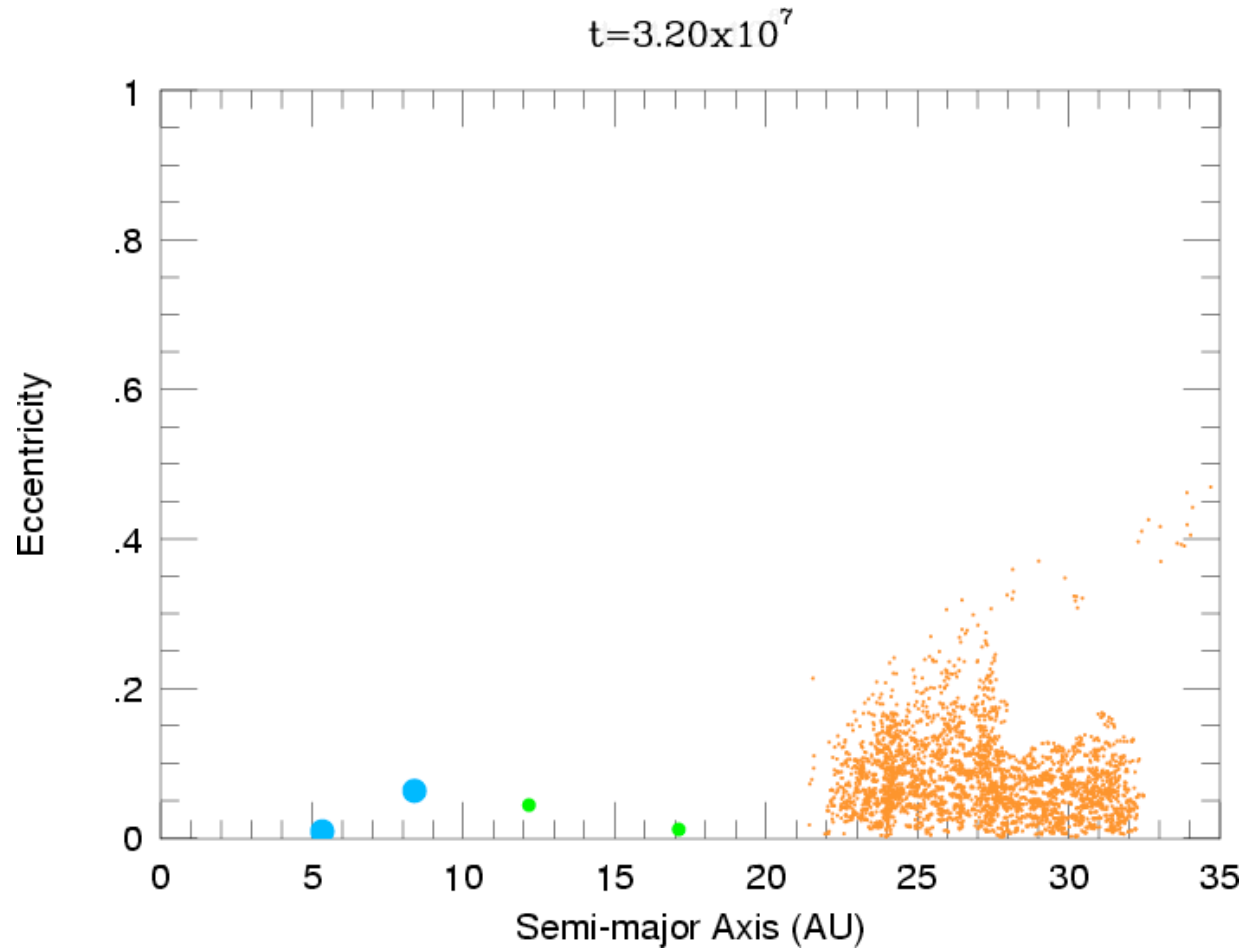
Kuiper belt 2.0



Kuiper belt 2.0

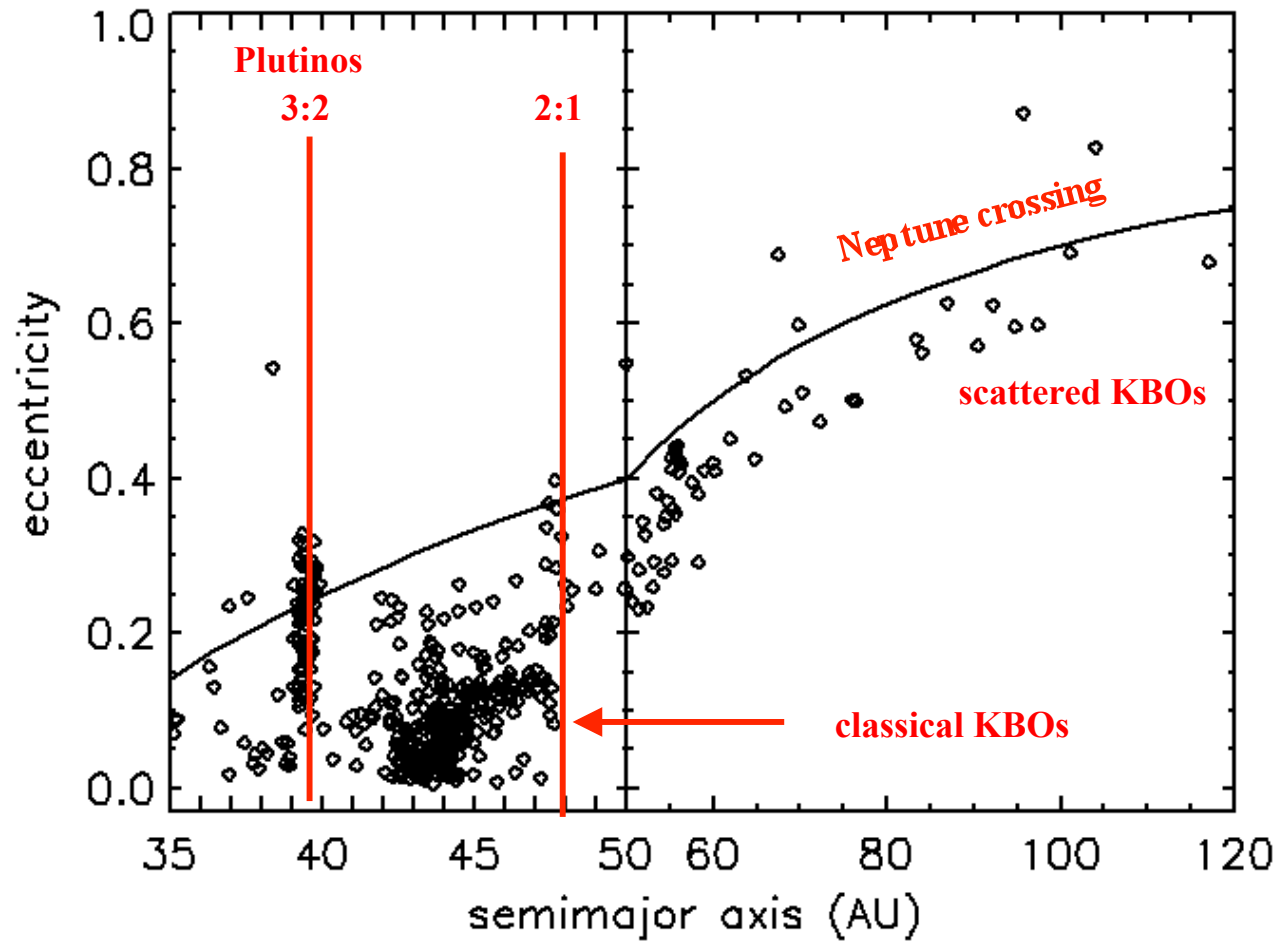


Kuiper belt 2.0



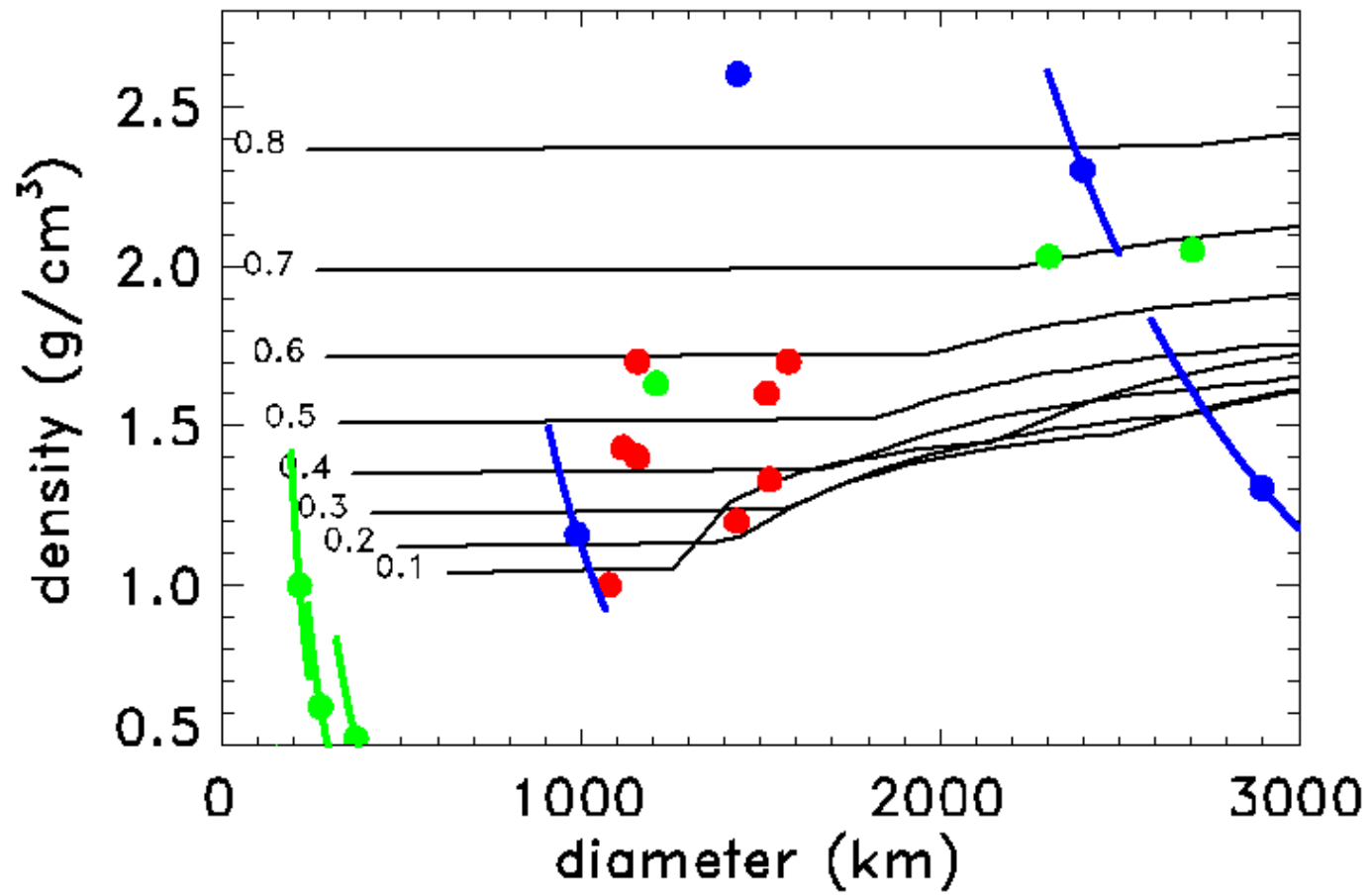
- Dust 2.0

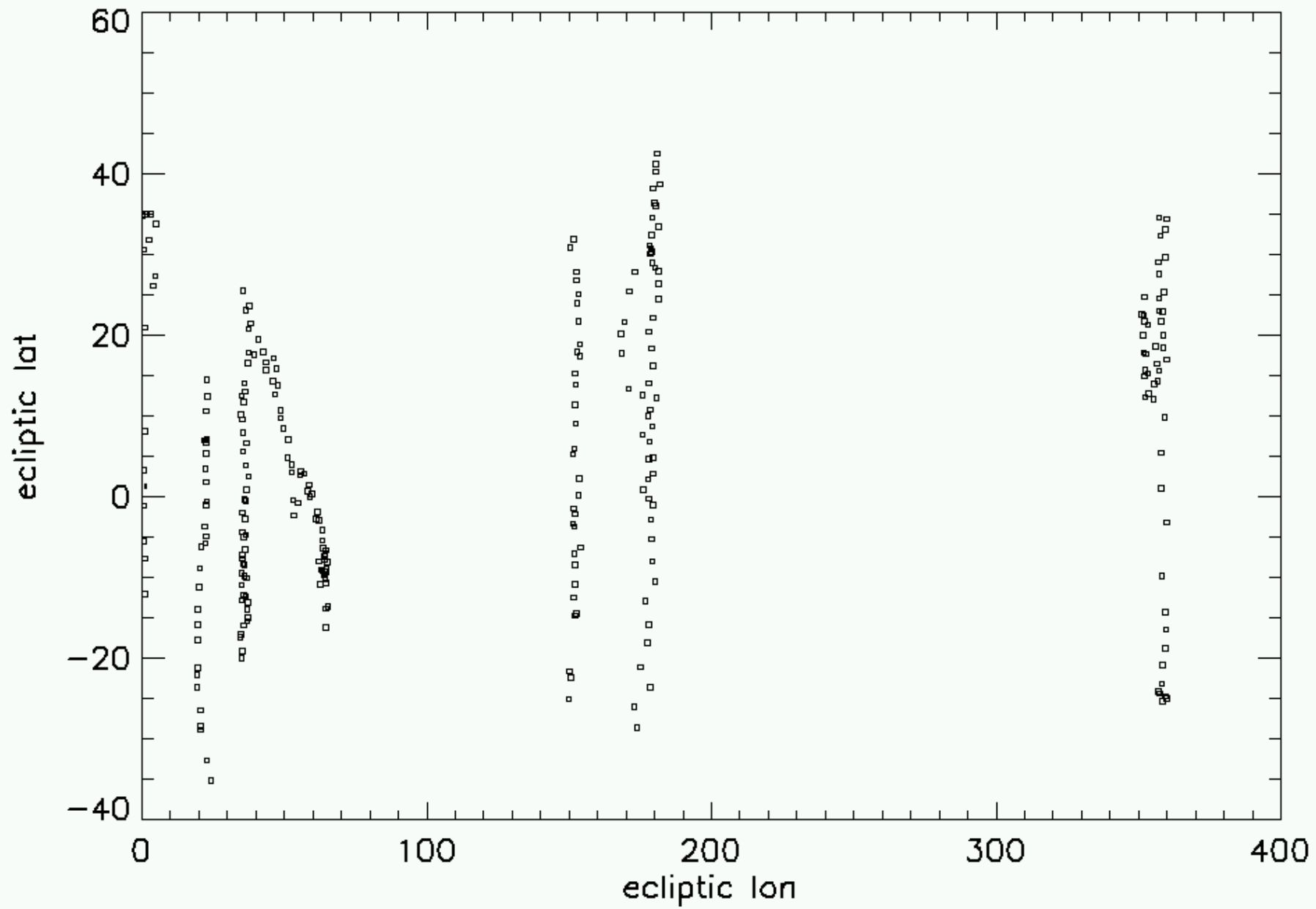
Kuiper belt 2.0 uho

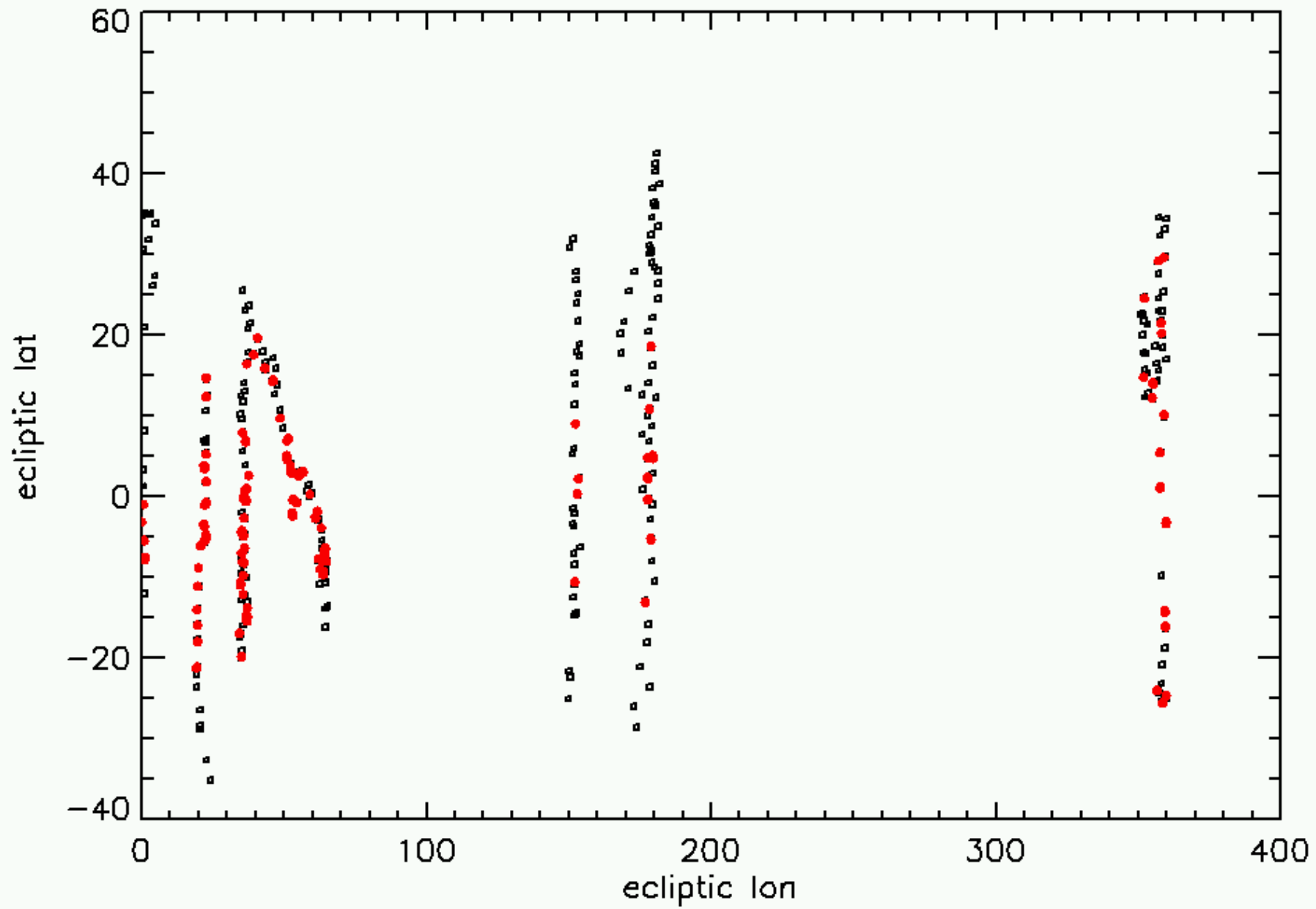


Kuiper belt 2.0 uh oh

- Haumea
- Cold classicals are too weird
- Ice/rock fractions







Kuiper belt 3.0, beta

- Need to throw away: collision models, accretion models.
- i.e., all of the input into dust models