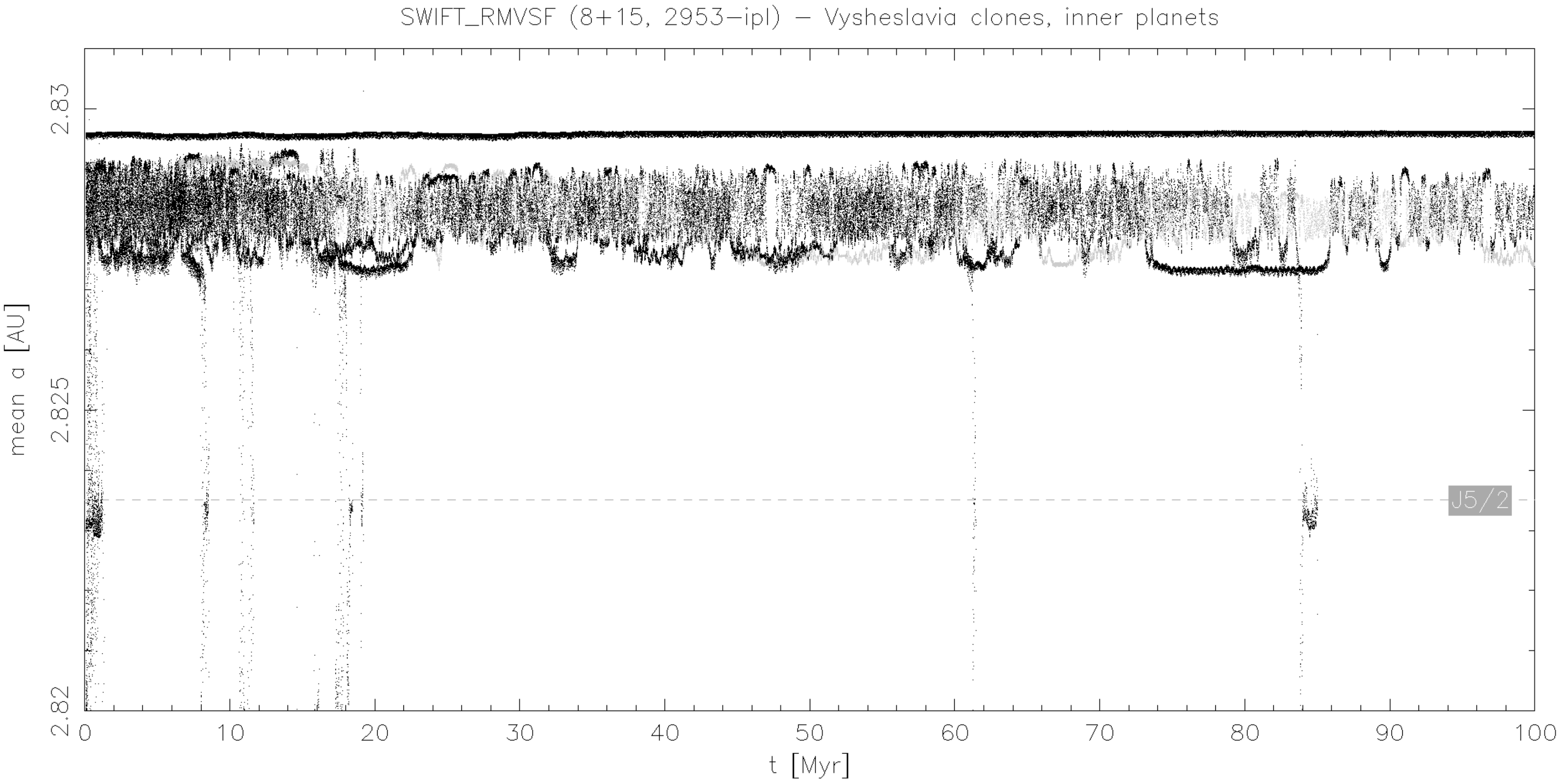
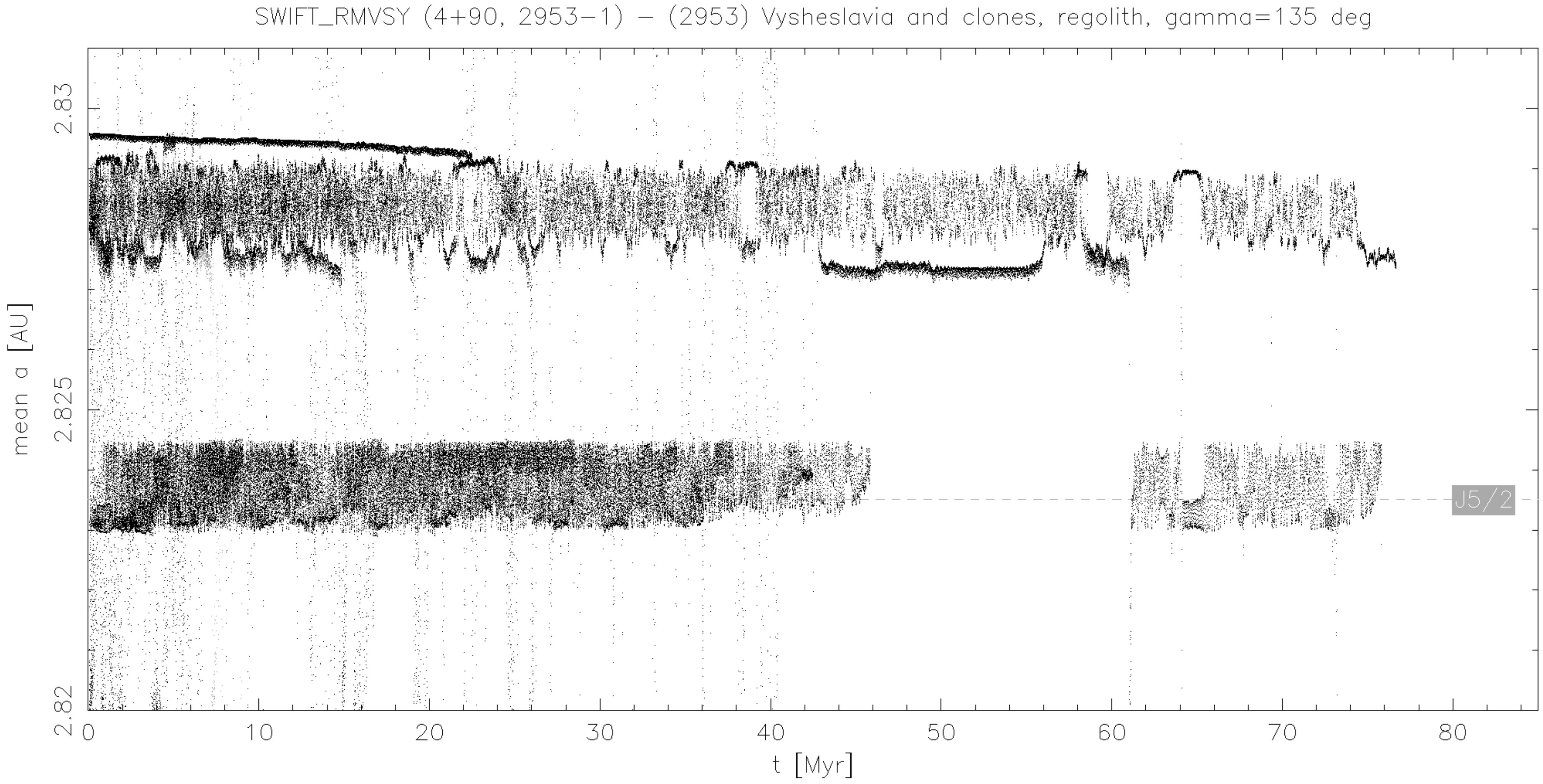
Long-term orbital evolution of (2953) Vysheslavia and its clones

- no Yarkovsky effect
- if 4 outer planets only (& barycentric correction) ⇒ a longer capture in the 5:2 resonance region



Long-term orbital evolution of (2953) Vysheslavia and its clones

- including the **Yarkovsky effect**, low conductivity surface assumed, fixed spin axis orientation (obliquity = 135°)
- leads to **shorter lifetime** before falling into 5:2 resonance



Transport towards the 5:2 resonance

- First (7340) and 1993 FR_{58} clones reach the resonance after 50 – 100 Myr (depends on the surface thermal properties and the spin axis orientation).