

*This document was reviewed and approved for export, see Juno-Generic-15-001*

# Juno Orbit Geometry

March 1, 2018

Marty Brennan & Stuart Stephens

**SPKs used:**

de436s.bsp

jup310.bsp

spk\_ref\_150326\_180221\_150326.bsp

spk\_ref\_160226\_180221\_160226.bsp

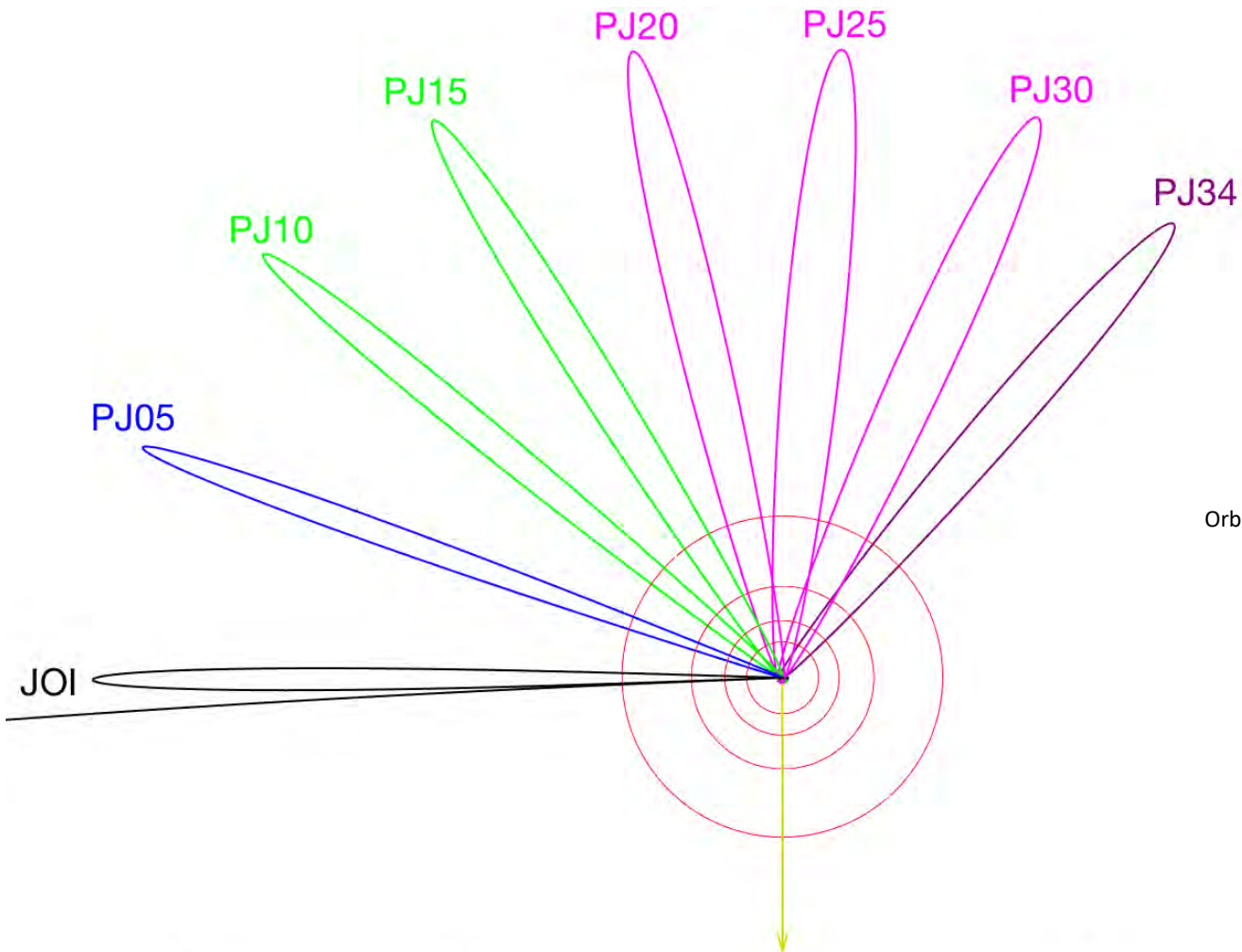
spk\_ref\_160829\_190912\_161027.bsp

spk\_ref\_161212\_210731\_170320.bsp

spk\_ref\_171106\_210731\_171109.bsp

This document has been reviewed and determined not to contain export-controlled technical data

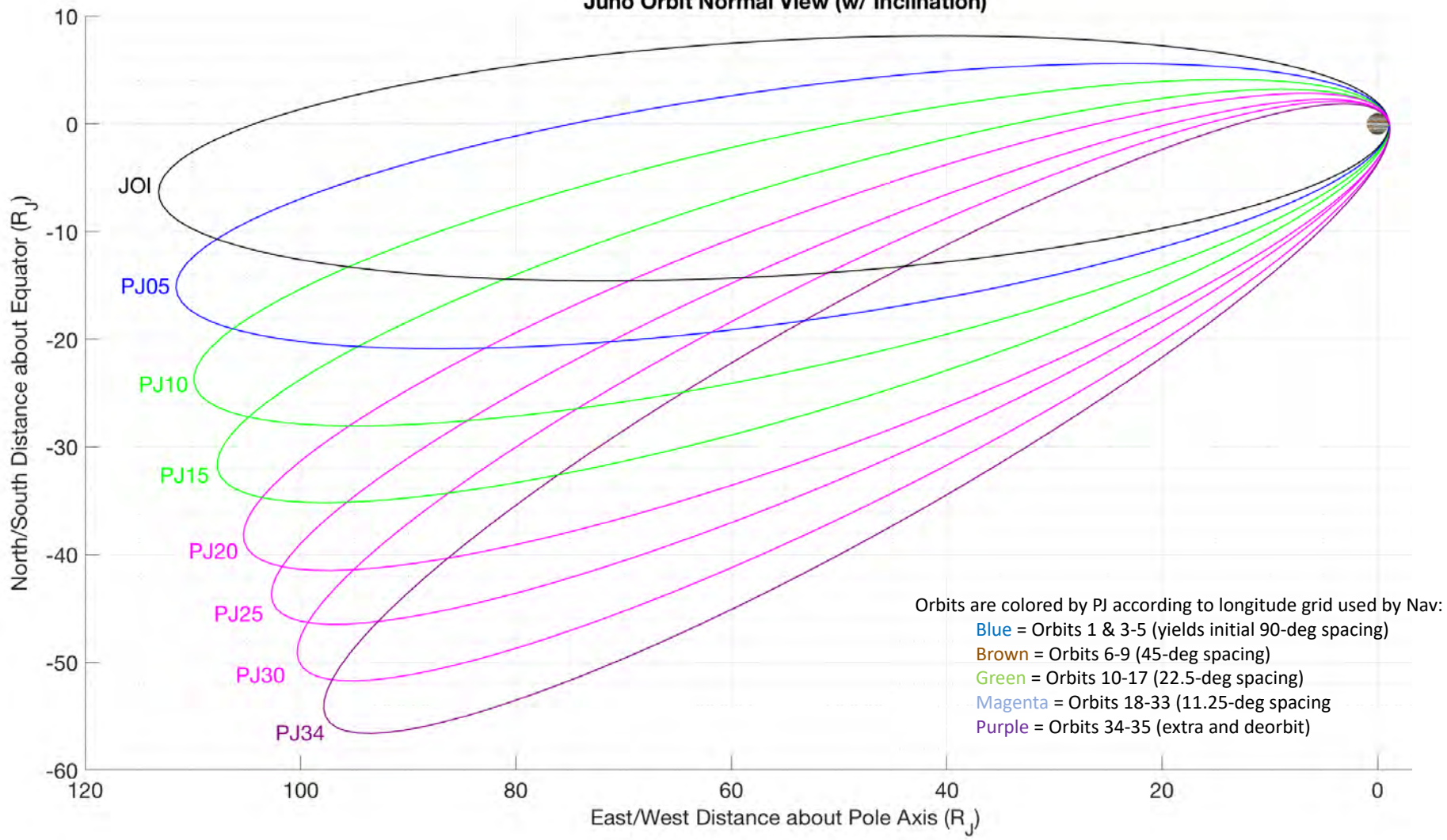
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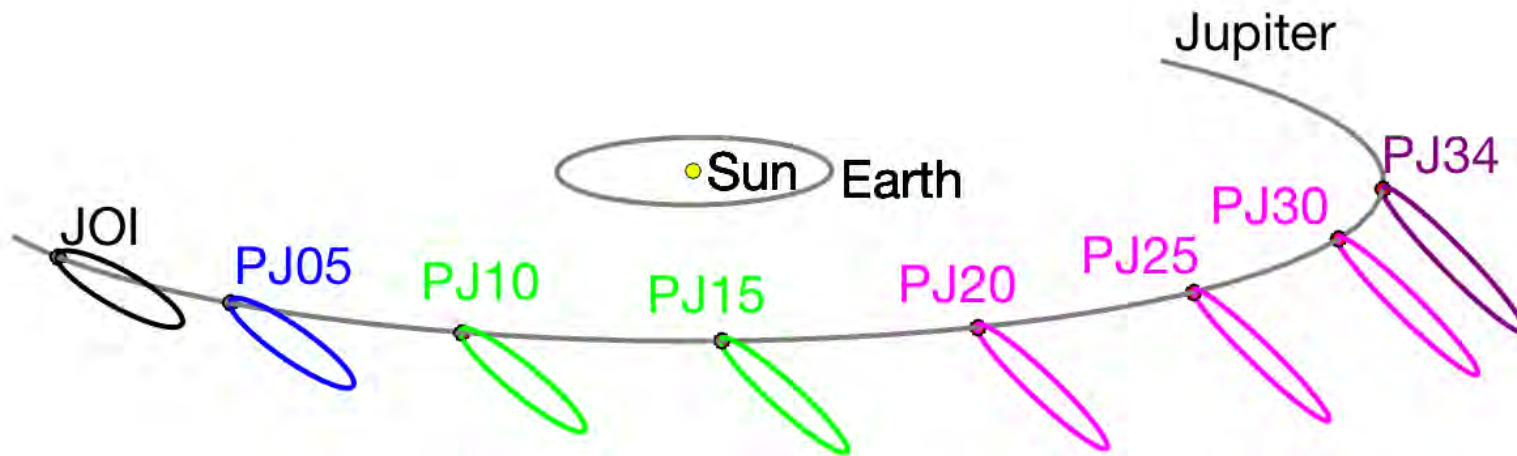
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### Juno Orbit Normal View (w/ Inclination)



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## View of Juno Orbit North/South Precession



Juno orbits not to Scale:  
Orbit size increased for clarity

Orbits are colored by PJ according to longitude grid used by Nav:

Blue = Orbits 1 & 3-5 (yields initial 90-deg spacing)

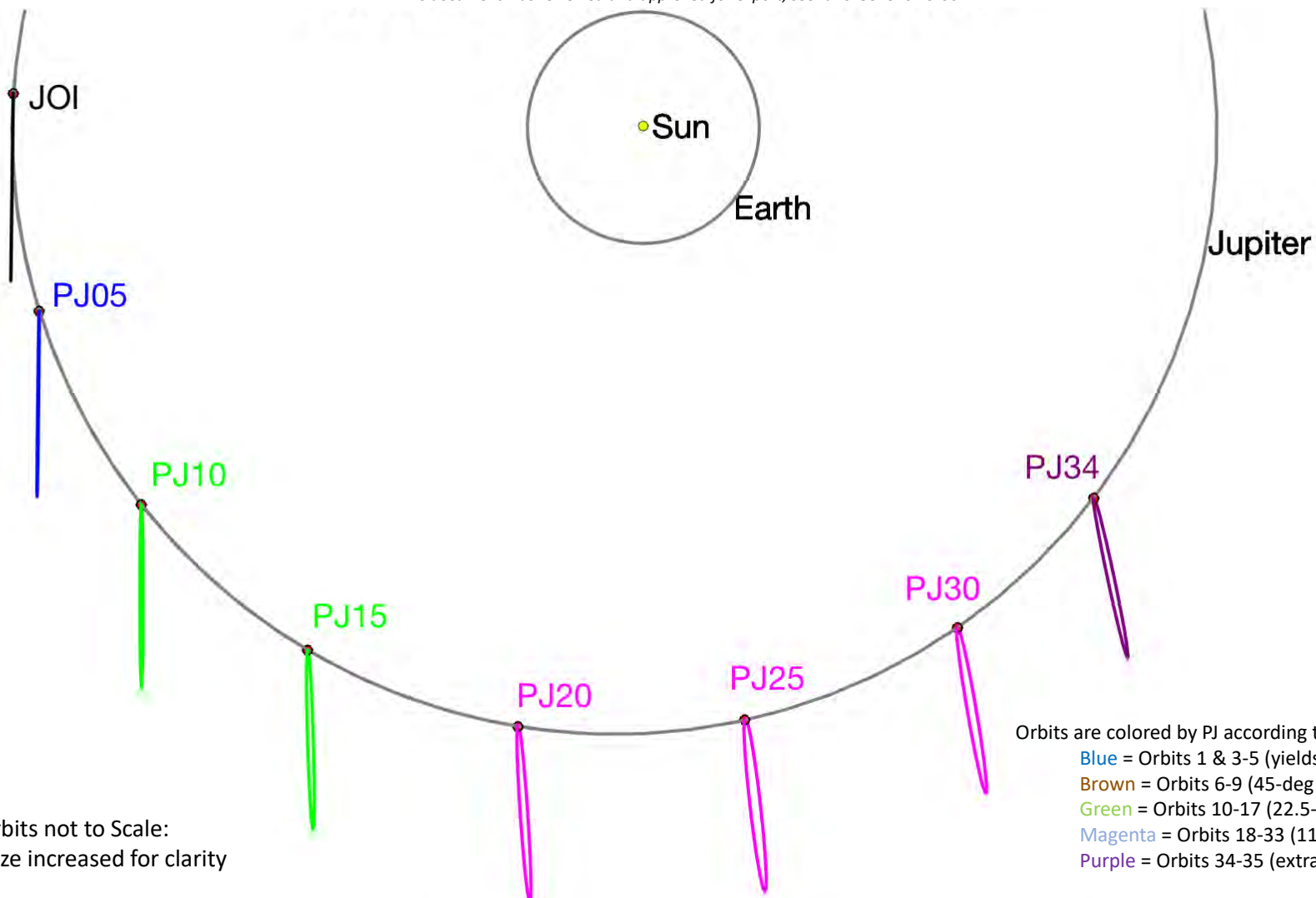
Brown = Orbits 6-9 (45-deg spacing)

Green = Orbits 10-17 (22.5-deg spacing)

Magenta = Orbits 18-33 (11.25-deg spacing)

Purple = Orbits 34-35 (extra and deorbit)

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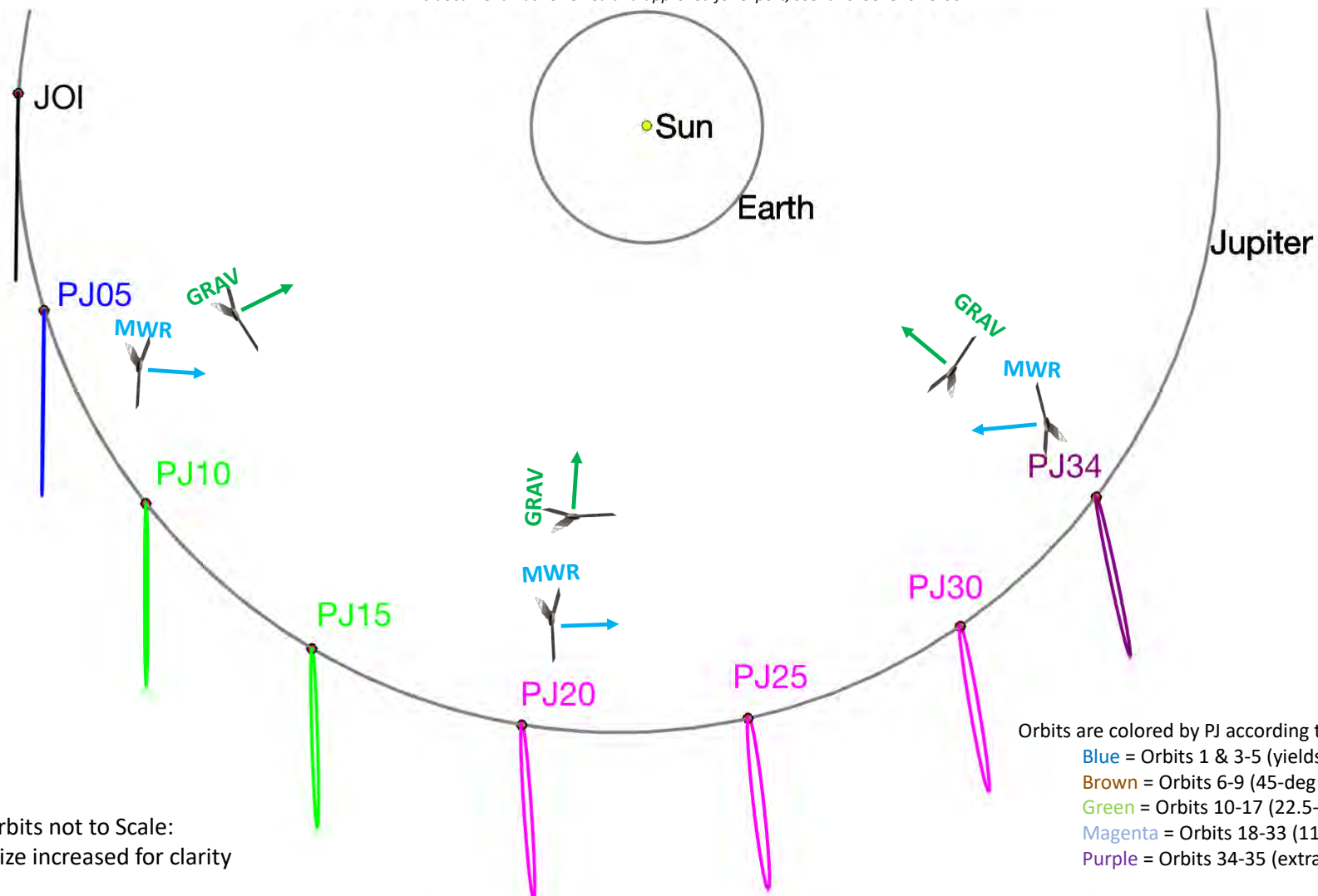


Juno orbits not to Scale:  
Orbit size increased for clarity

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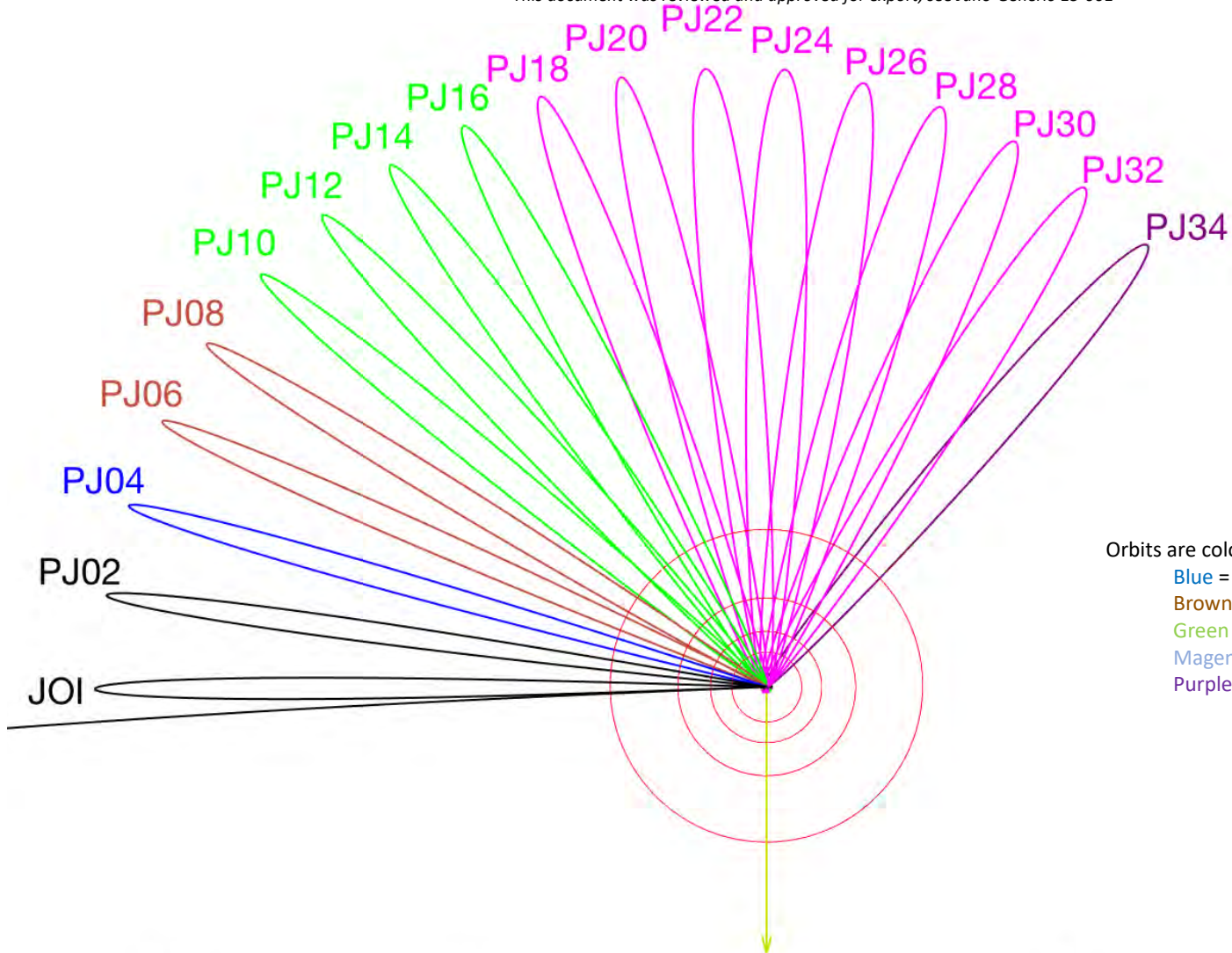
Juno orbits not to Scale:  
Orbit size increased for clarity

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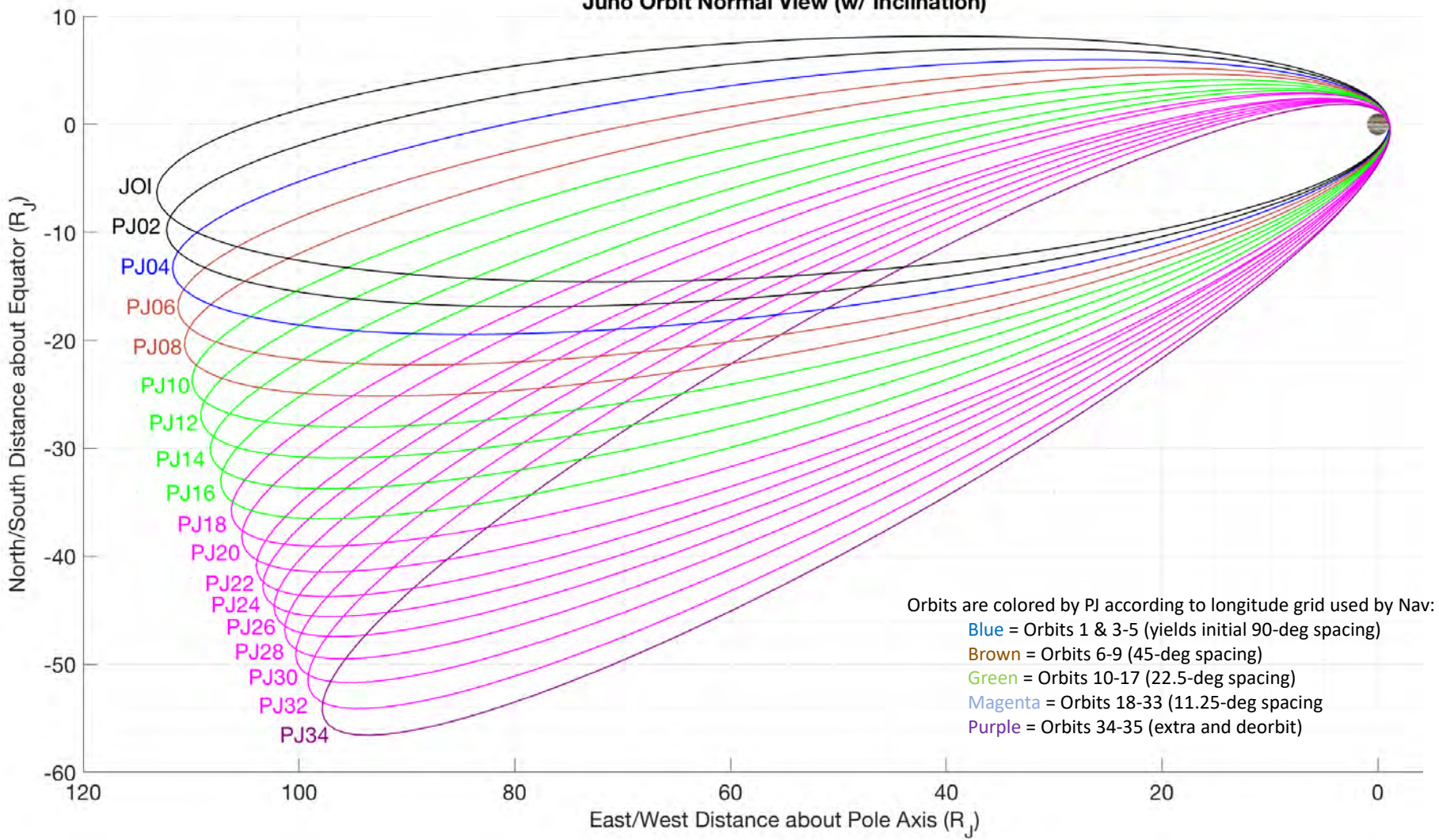


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- Magenta = Orbits 18-33 (11.25-deg spacing)
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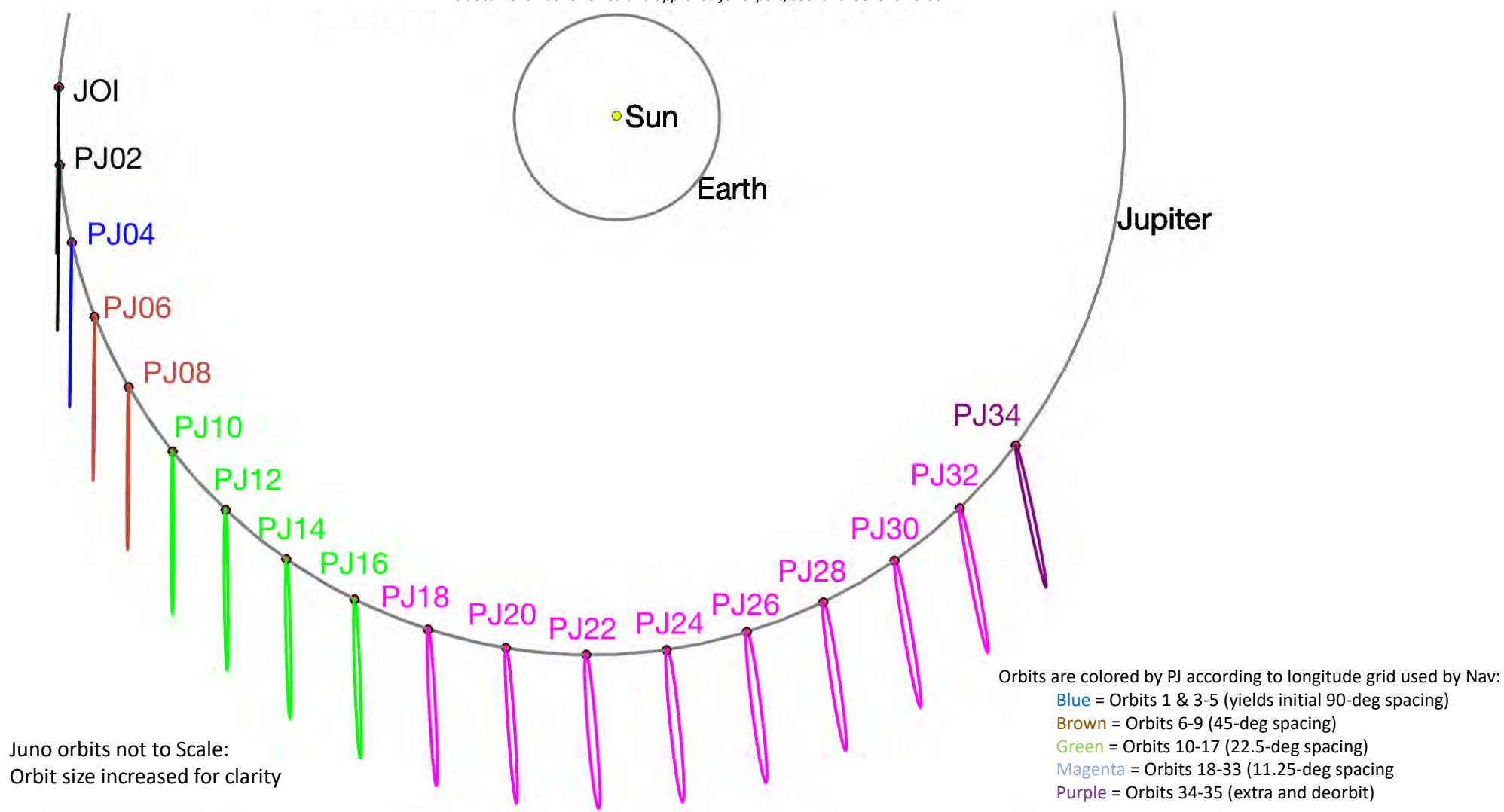
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**Juno Orbit Normal View (w/ Inclination)**



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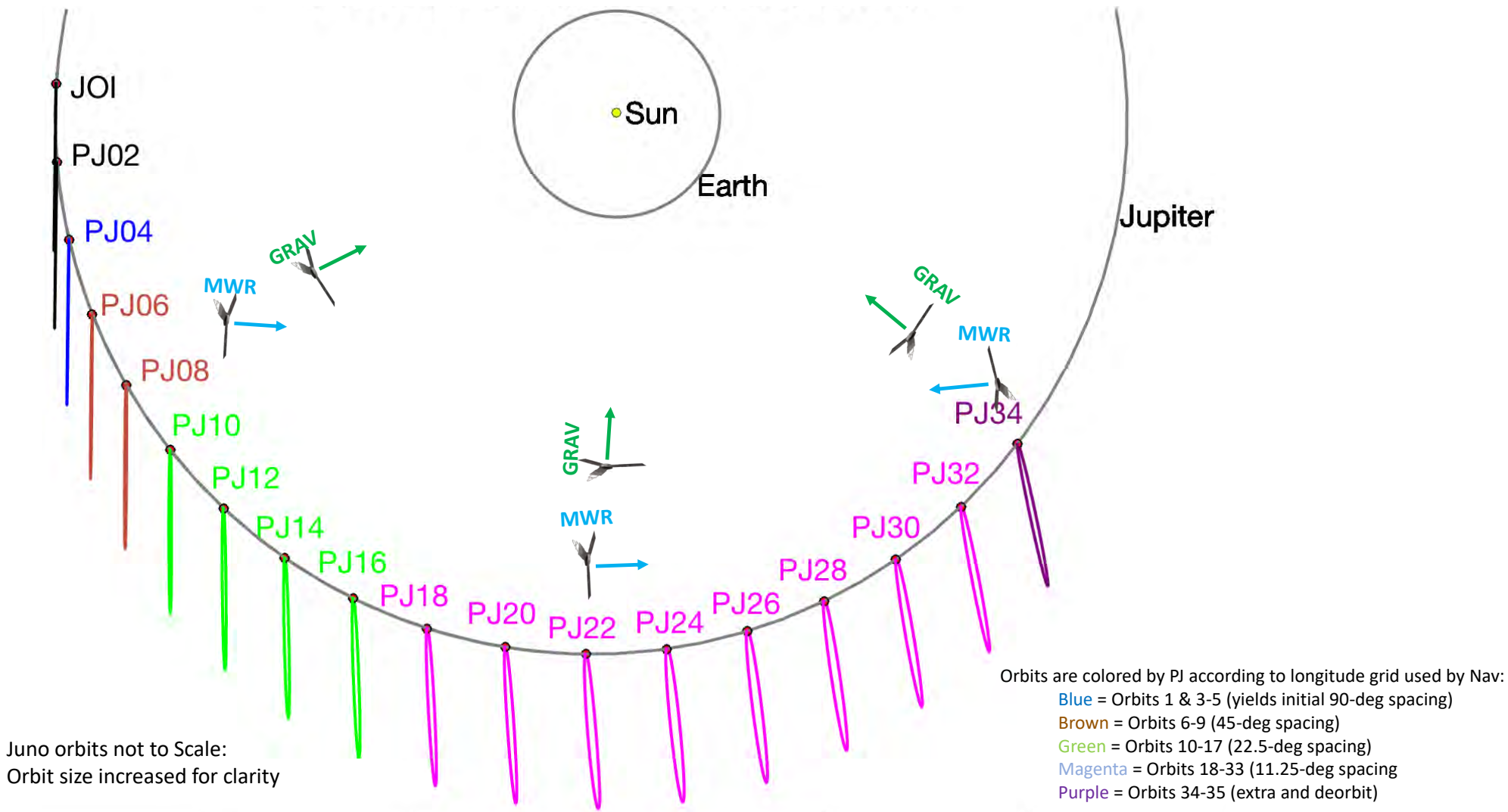


Juno orbits not to Scale:  
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