

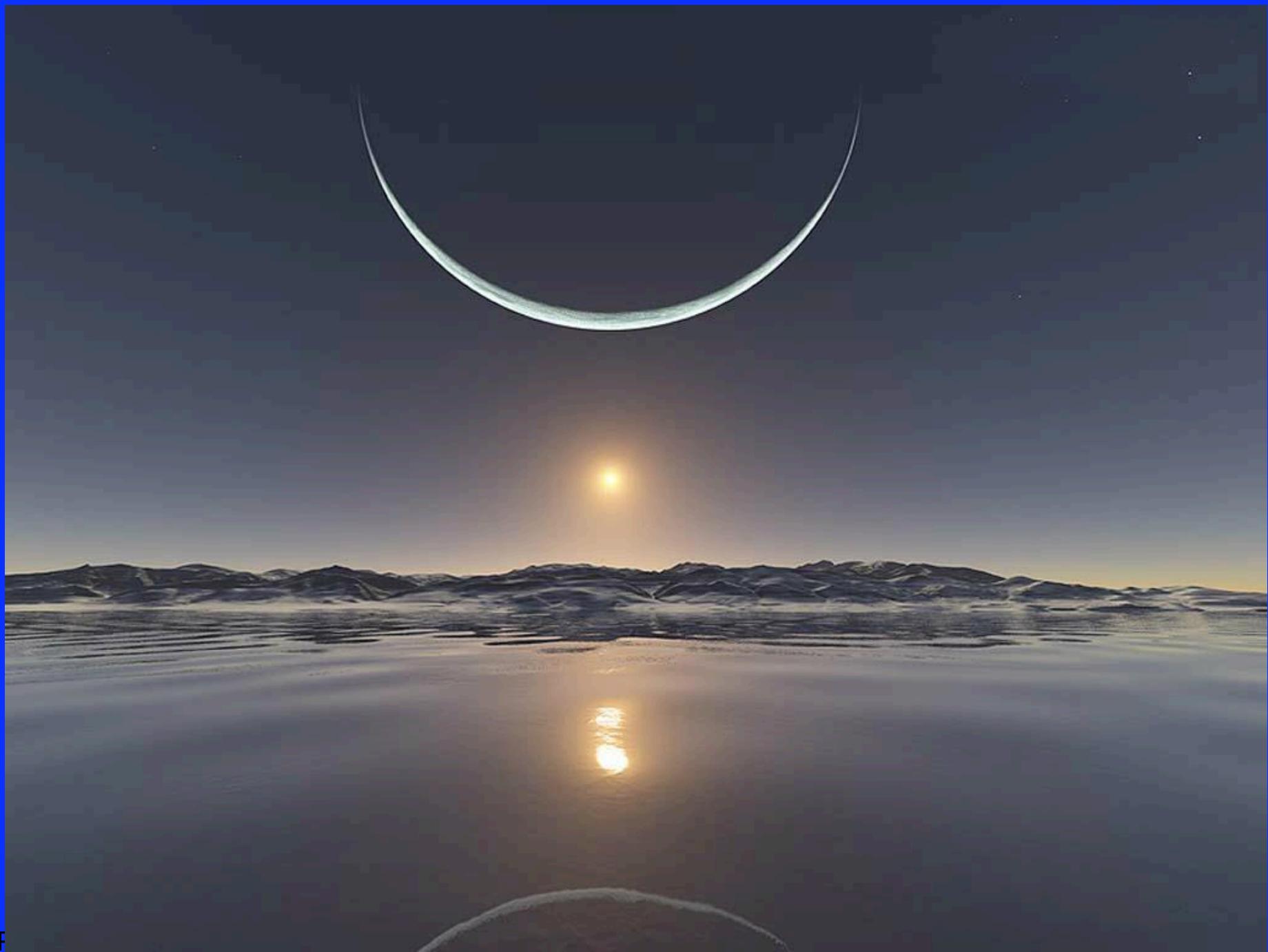


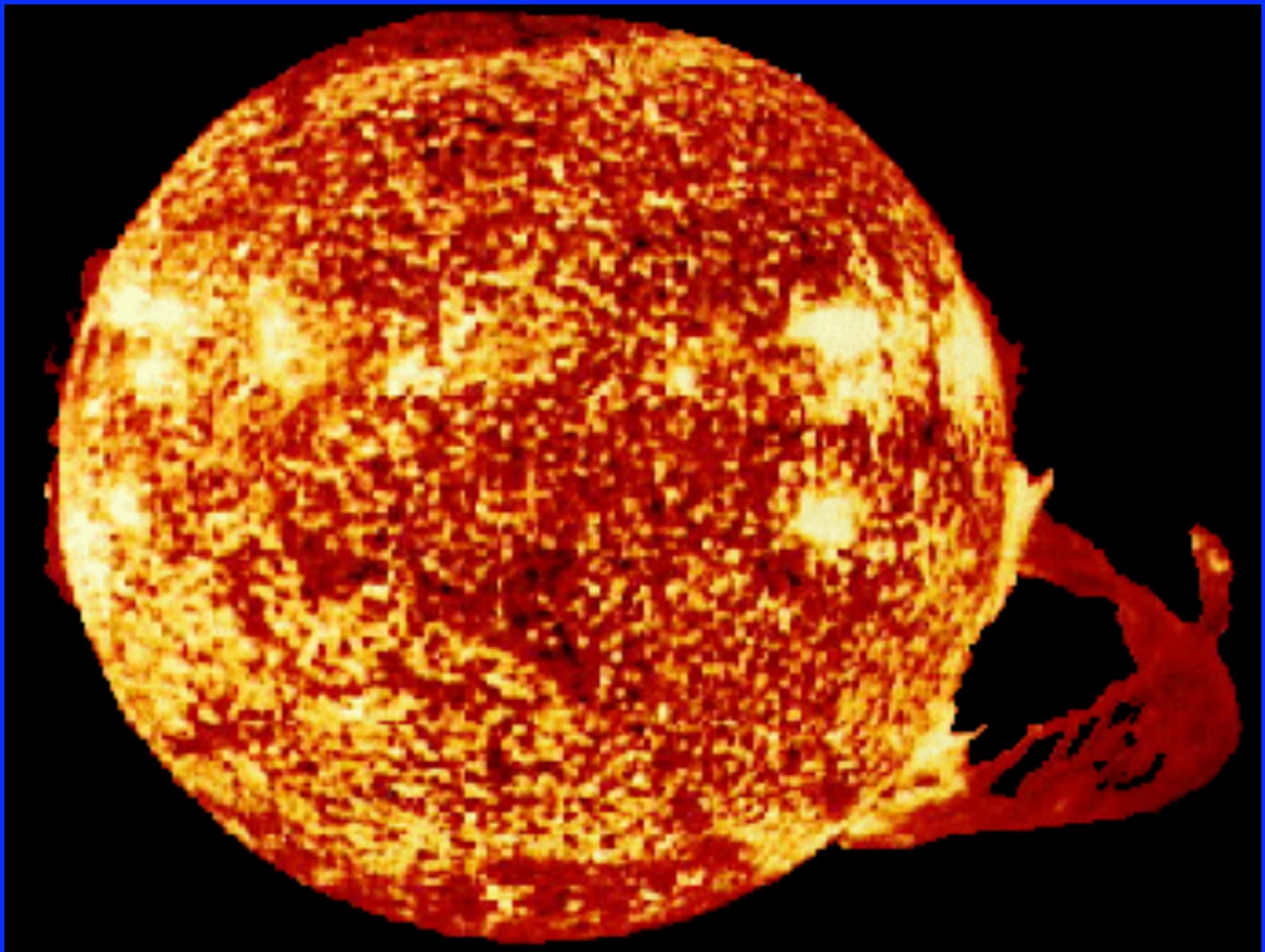
P.Galeotti





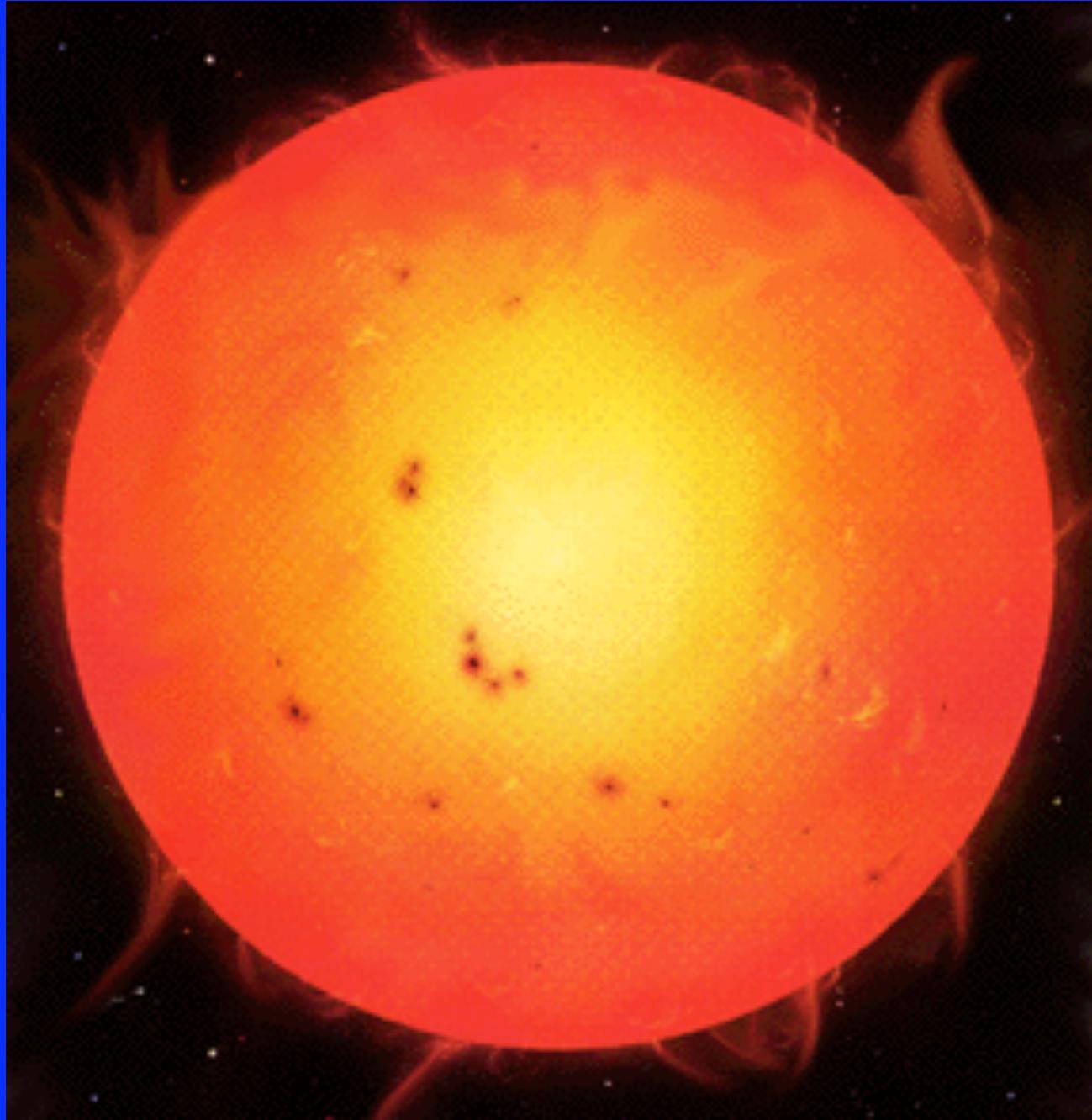






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*Il Sole*

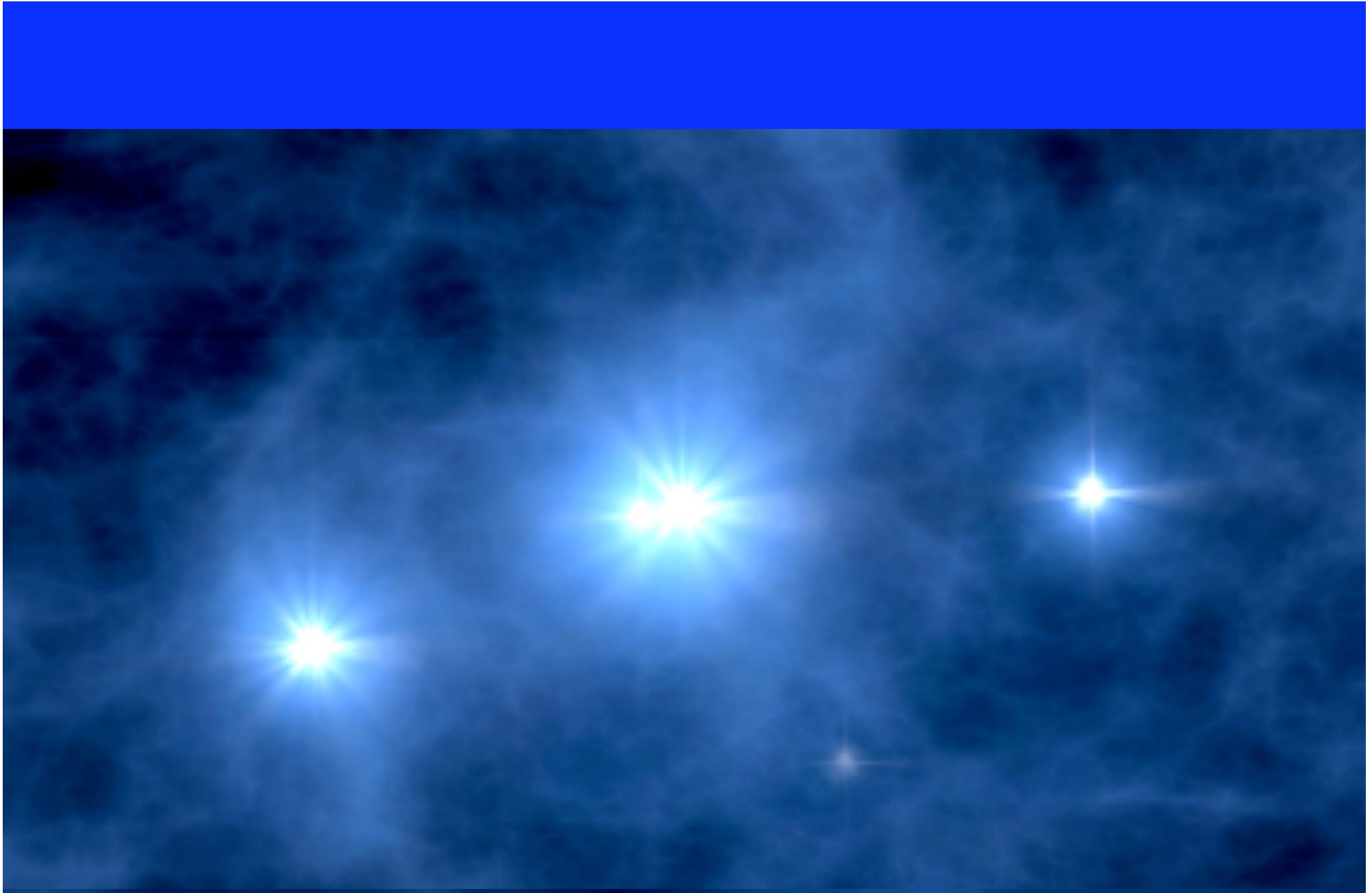
1.000 volte  
più grande  
di  
*Giove*

1.000.000  
di volte più  
grande  
della Terra



P.Galeotti

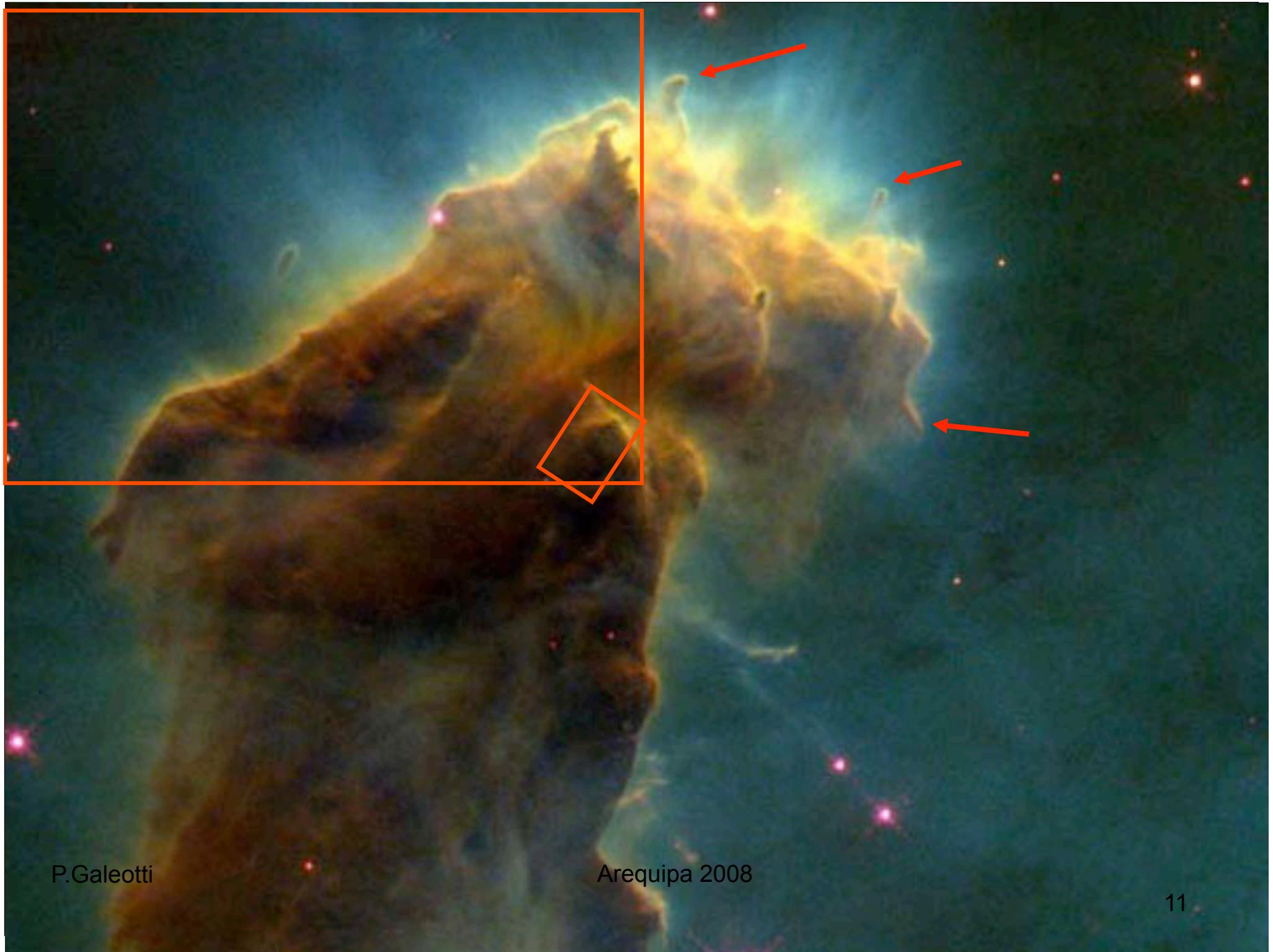
Arequipa 2008



P.Galeotti

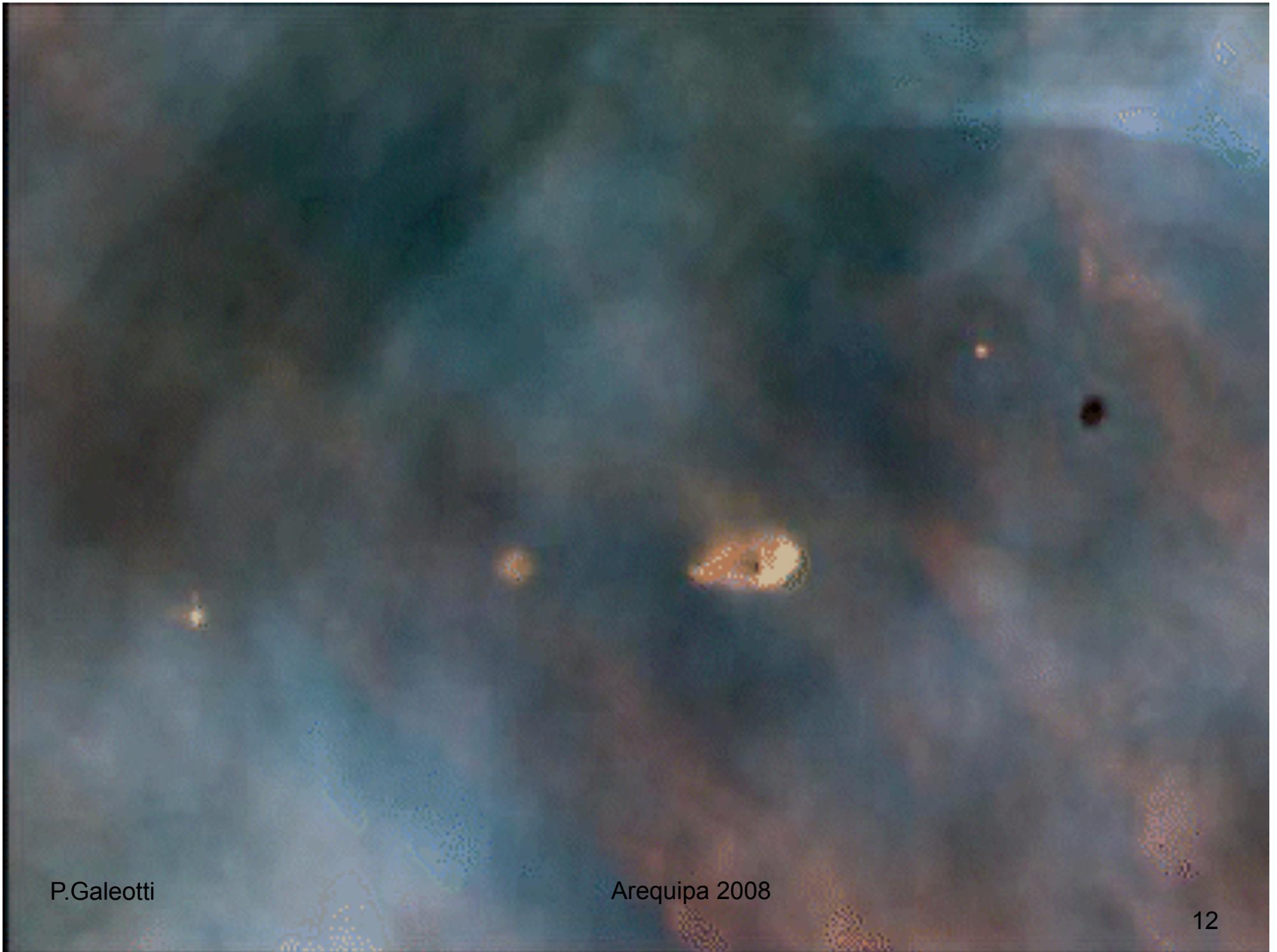
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**10**



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Arequipa 2008

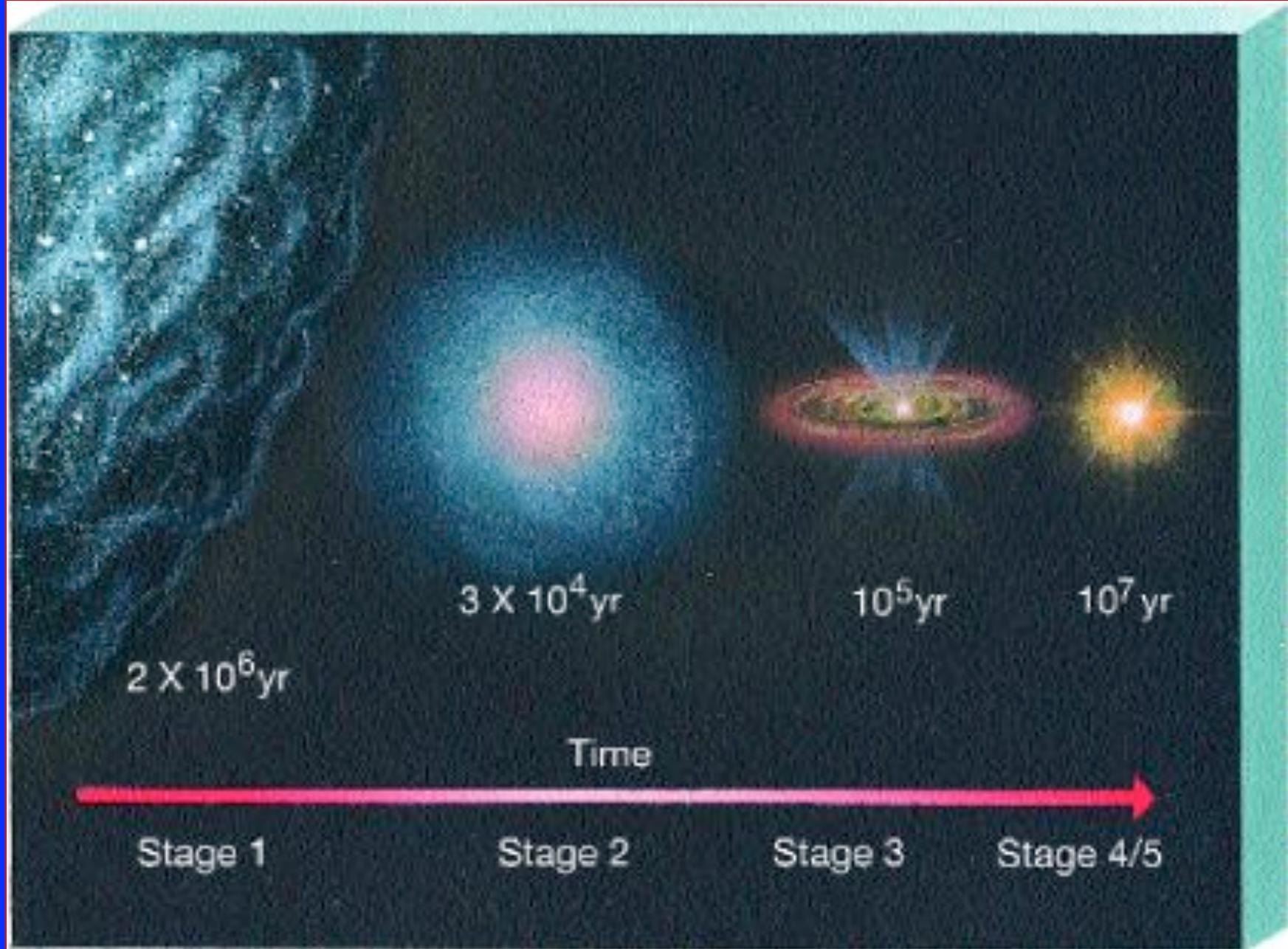
12



# Le pleiadi

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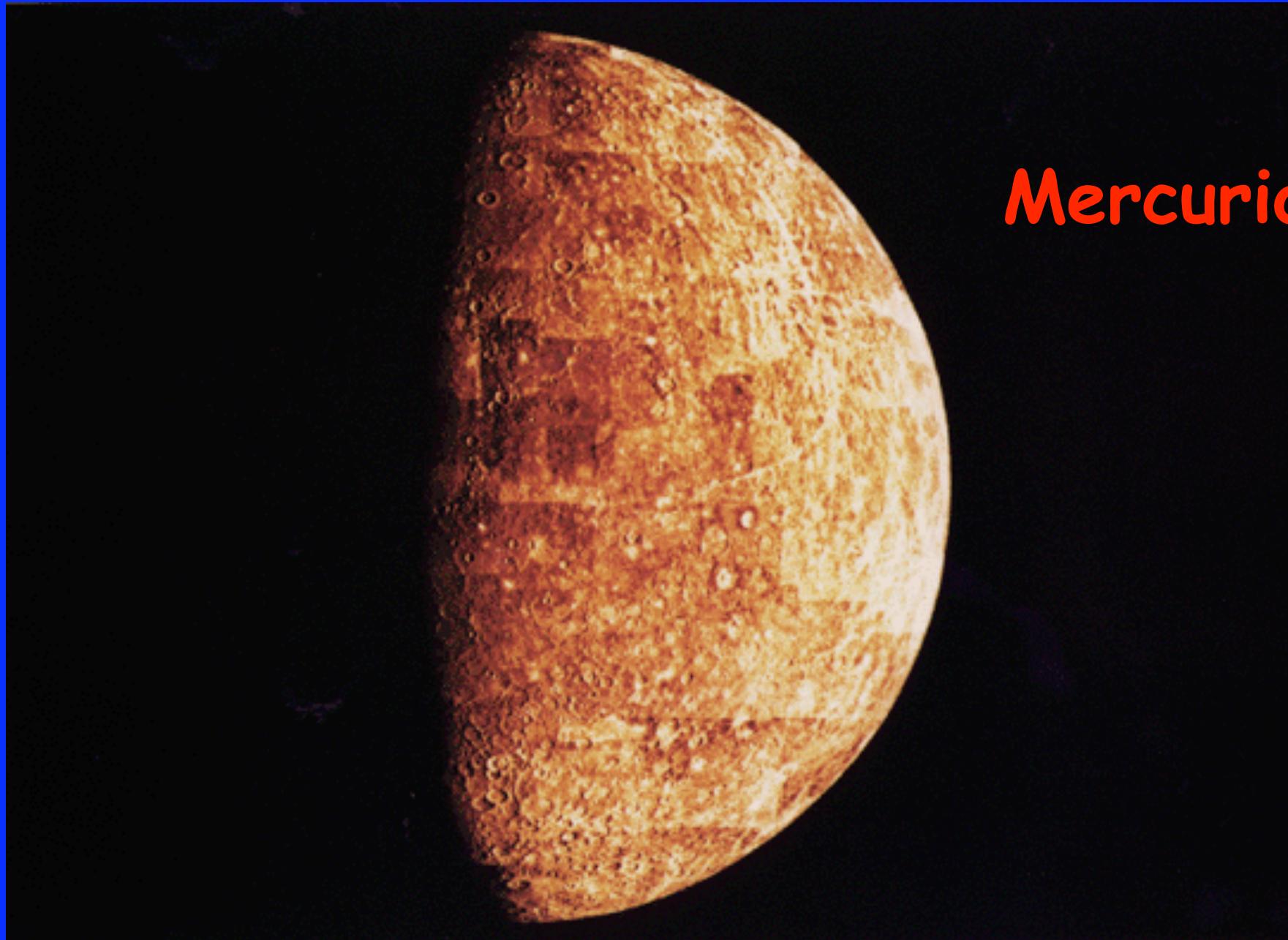
Arequipa 2008





5 pianeti  
allineati

Mercurio  
Venere  
Marte  
Giove  
Saturno



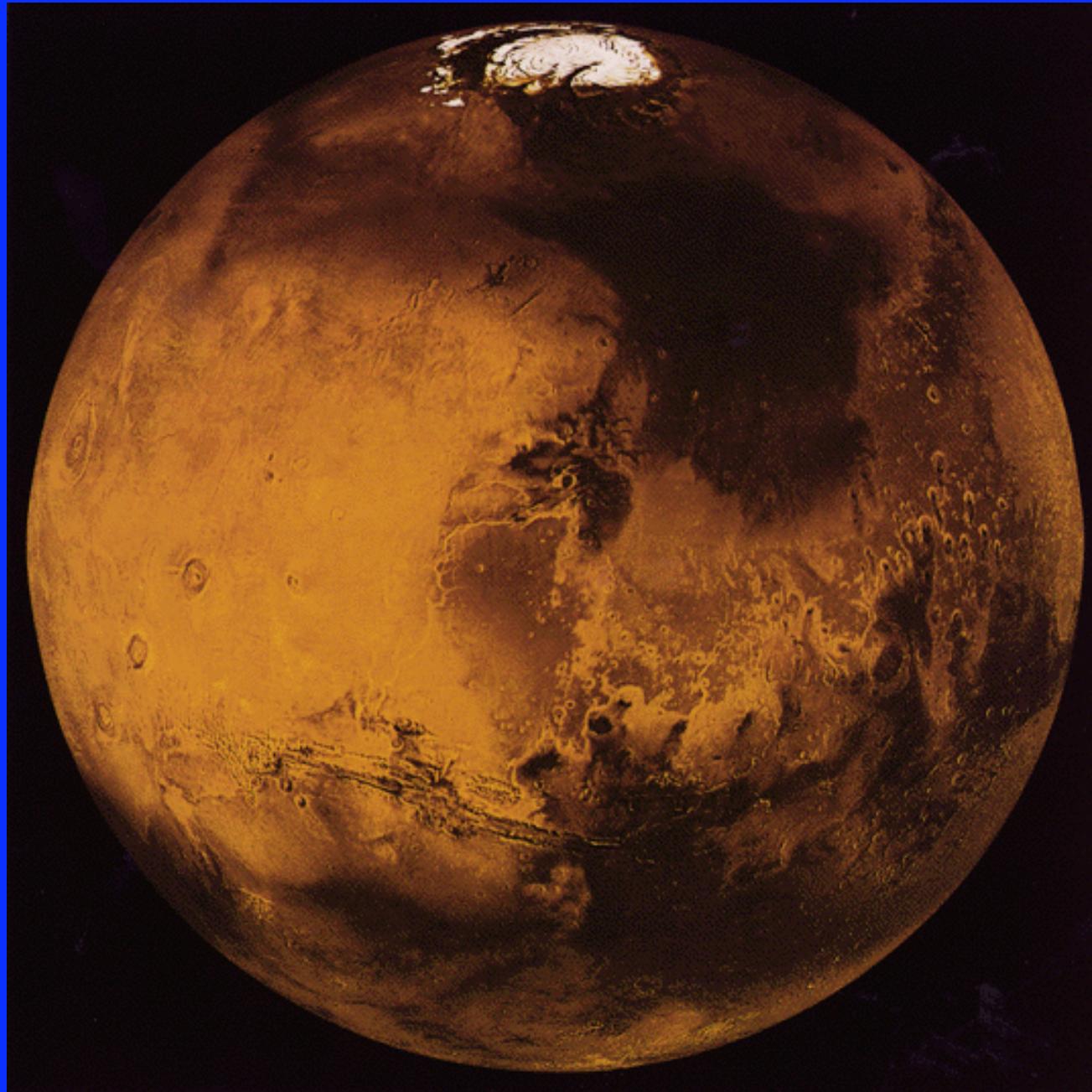
P.Galeotti

Arequipa 2008

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Venere



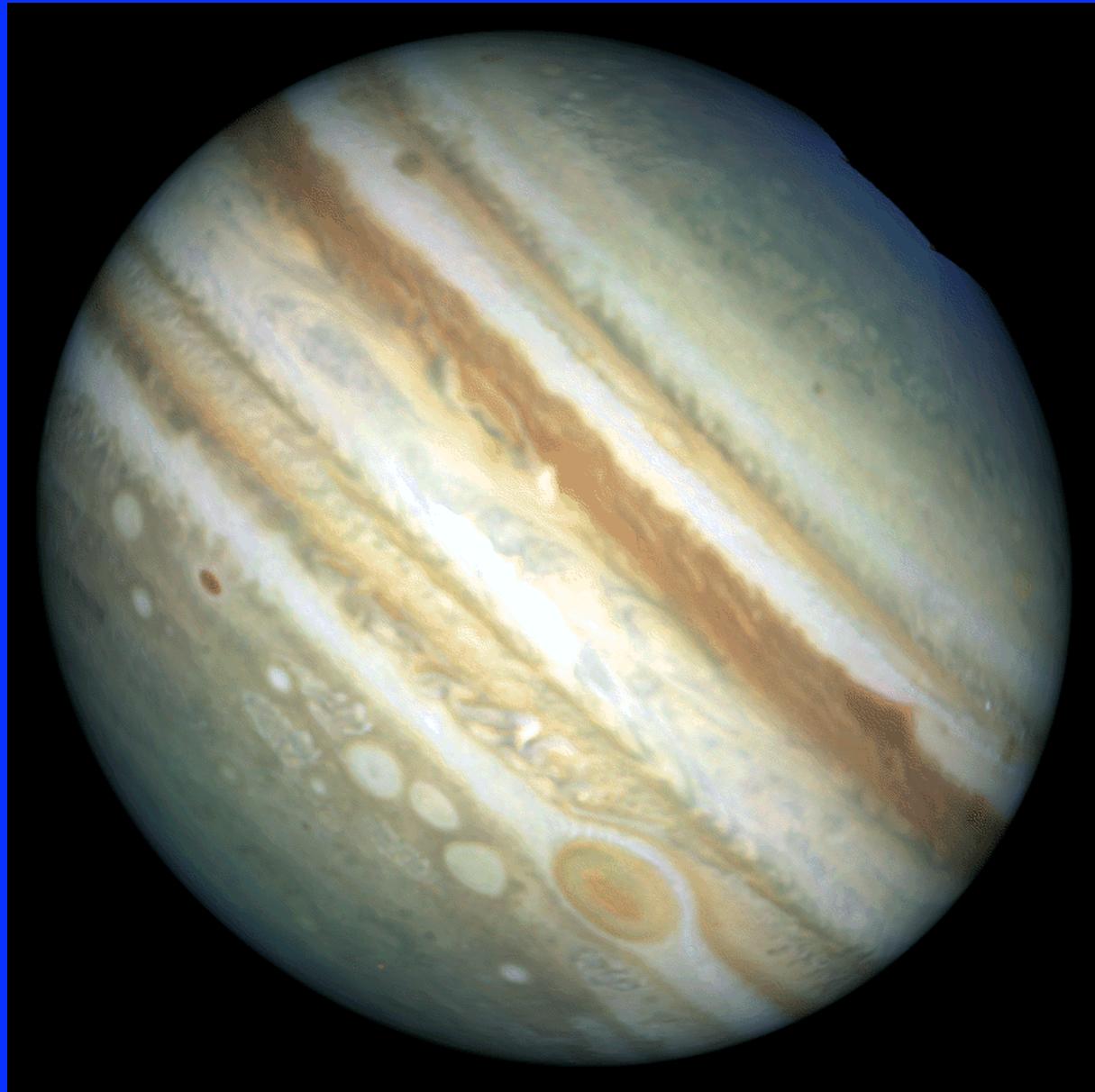


Marte

P.Galeotti

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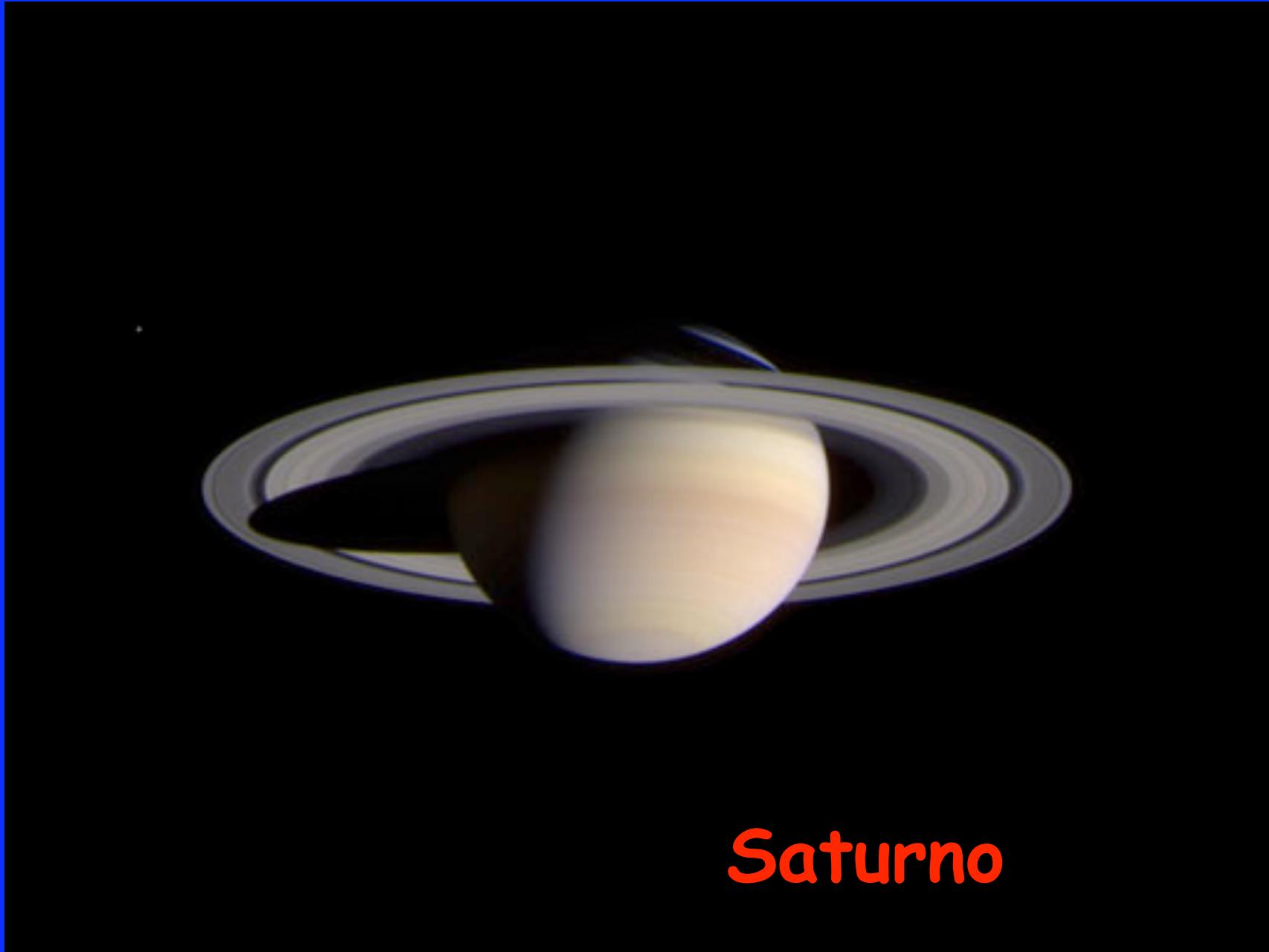


Giove

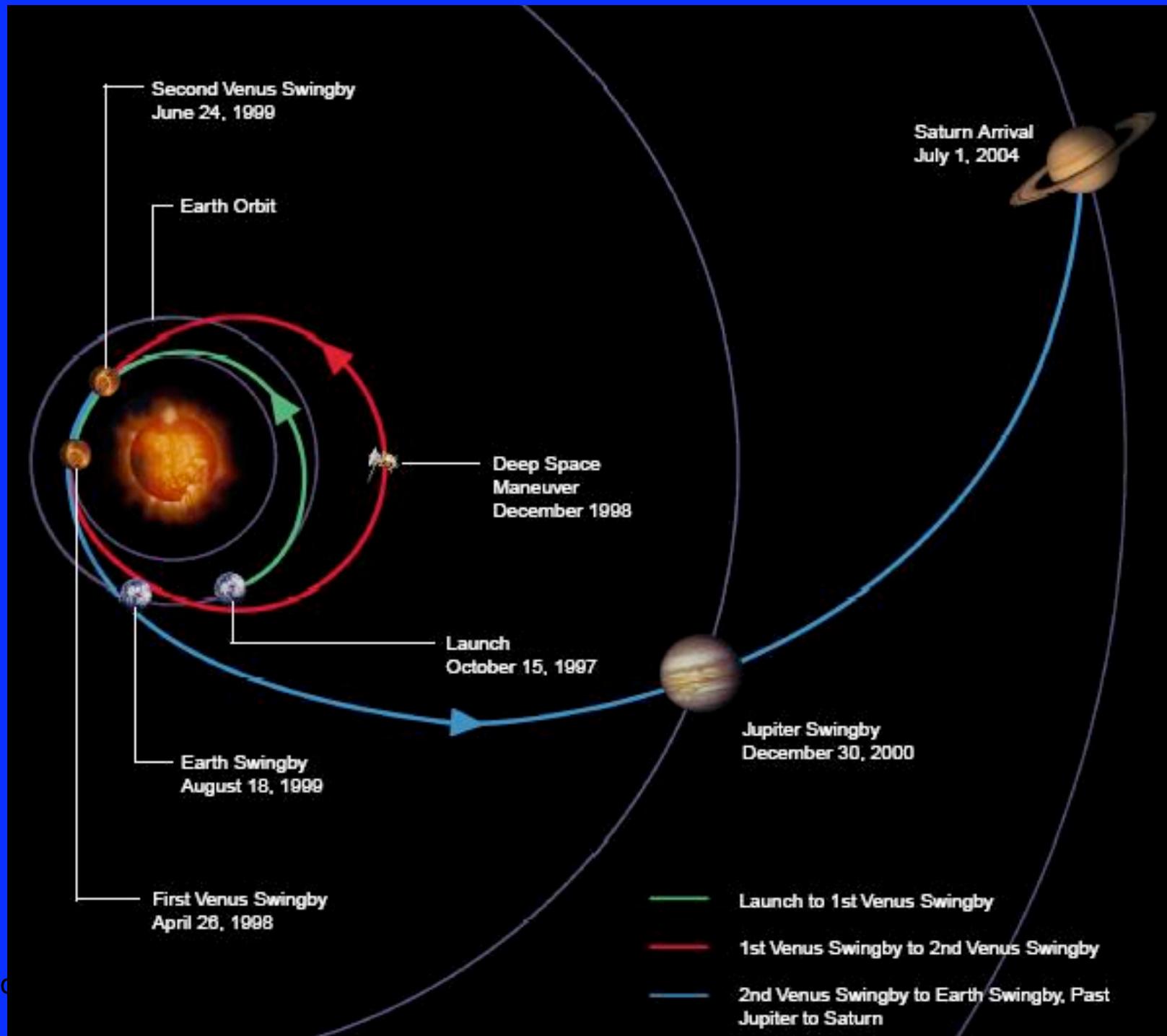
P.Galeotti

Arequipa 2008

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# Saturno



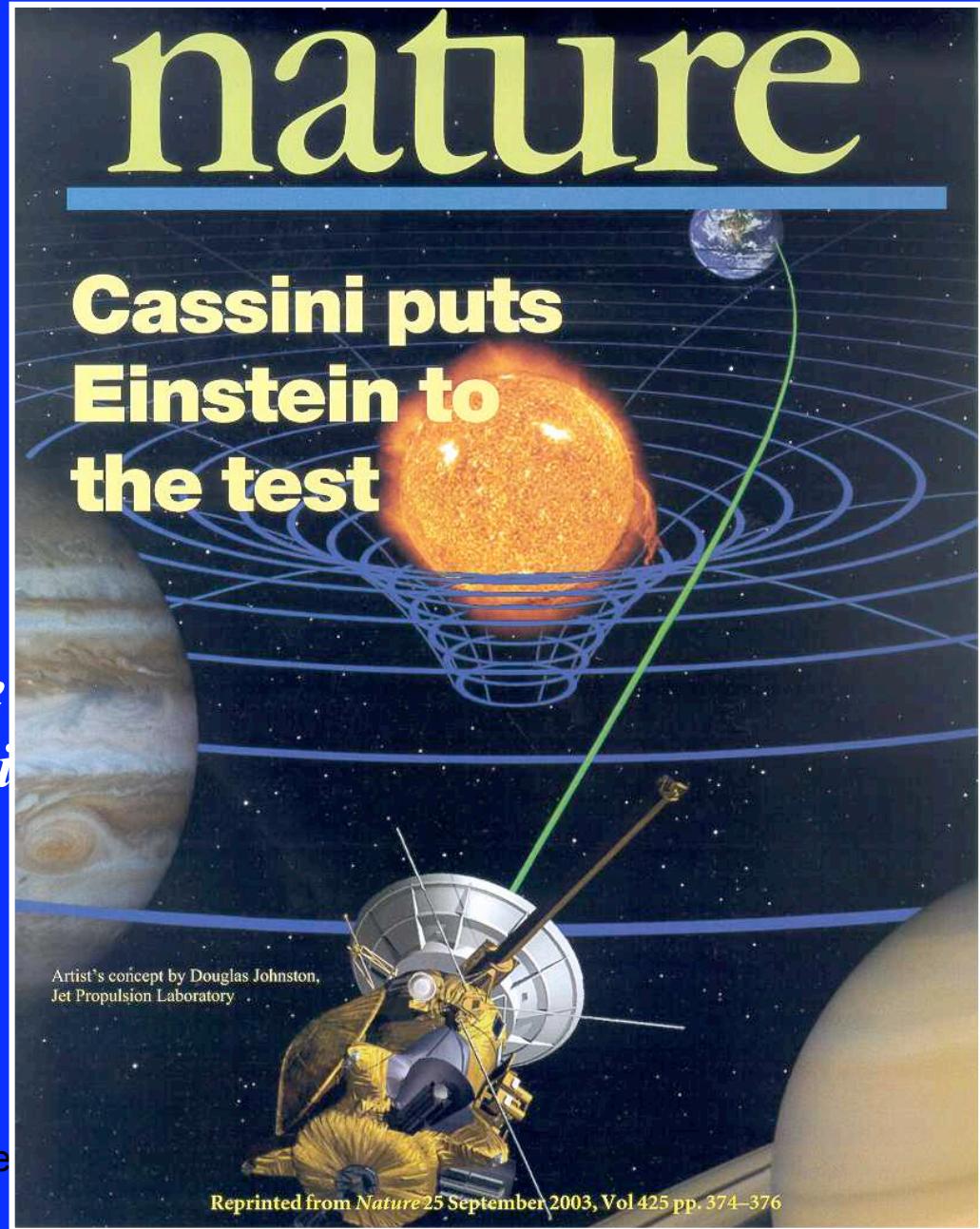
# Un esperimento di relatività generale

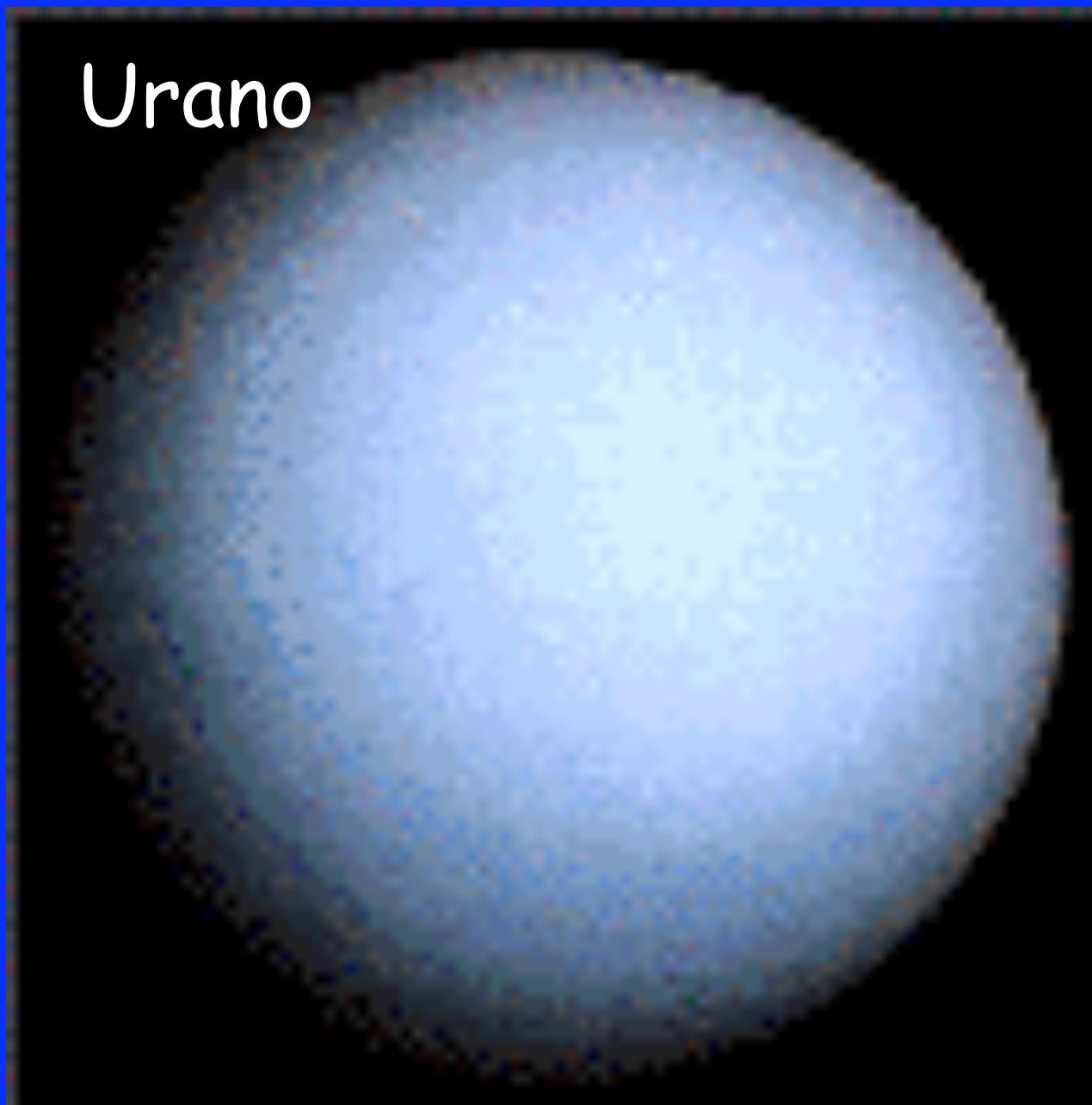
*B.Bertotti, L.Iess, P.Tortora  
hanno effettuato un originale  
esperimento per la misura  
della deviazione del segnale  
causata dal campo  
gravitazionale del Sole.*

*Si è avuta conferma della  
teoria della relatività generale  
con un'accuratezza di 20 parti  
per milione, 50 volte meglio  
del precedente limite.*

P.Galeotti

Are





# Nettuno

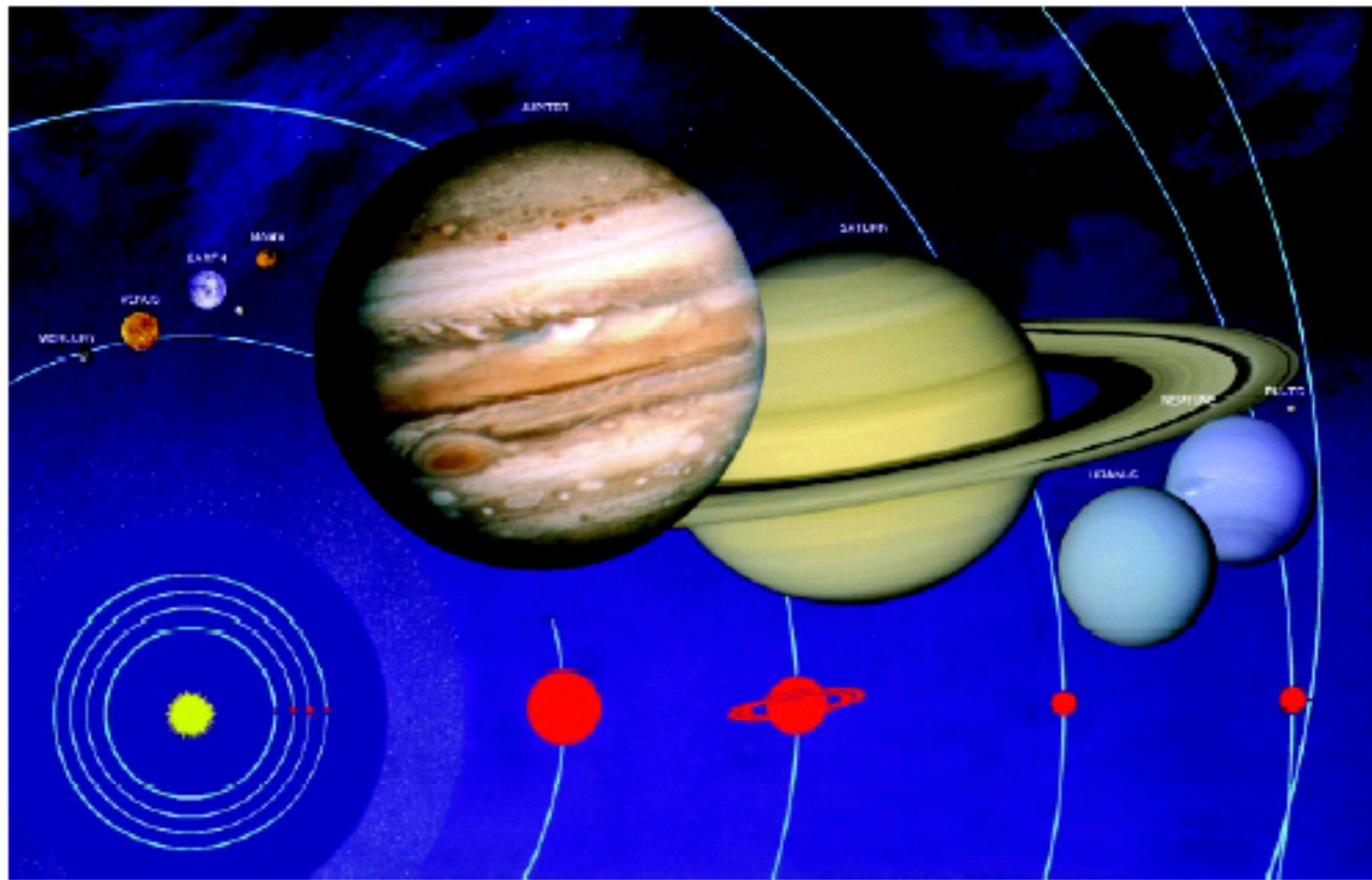
P

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National Aeronautics and  
Space Administration

## Our Solar System



P.

	<b>Distance (AU)</b>	<b>Radius (Earth's)</b>	<b>Mass (Earth's)</b>	<b>Rotation (Earth's)</b>	<b># Moons</b>	<b>Orbital Inclination</b>	<b>Orbital Eccentricity</b>	<b>Density (g/cm<sup>3</sup>)</b>
<u><a href="#">Sun</a></u>	<b>0</b>	<b>109</b>	<b>332,8 00</b>	<b>25-36*</b>	<b>9</b>	---	---	<b>1.410</b>
<u><a href="#">Mercury</a></u>	<b>0.39</b>	<b>0.38</b>	<b>0.05</b>	<b>58.8</b>	<b>0</b>	<b>7</b>	<b>0.2056</b>	<b>5.43</b>
<u><a href="#">Venus</a></u>	<b>0.72</b>	<b>0.95</b>	<b>0.89</b>	<b>244</b>	<b>0</b>	<b>3.394</b>	<b>0.0068</b>	<b>5.25</b>
<u><a href="#">Earth</a></u>	<b>1.0</b>	<b>1.00</b>	<b>1.00</b>	<b>1.00</b>	<b>1</b>	<b>0.000</b>	<b>0.0167</b>	<b>5.52</b>
<u><a href="#">Mars</a></u>	<b>1.5</b>	<b>0.53</b>	<b>0.11</b>	<b>1.029</b>	<b>2</b>	<b>1.850</b>	<b>0.0934</b>	<b>3.95</b>
<u><a href="#">Jupiter</a></u>	<b>5.2</b>	<b>11</b>	<b>318</b>	<b>0.411</b>	<b>16</b>	<b>1.308</b>	<b>0.0483</b>	<b>1.33</b>
<u><a href="#">Saturn</a></u>	<b>9.5</b>	<b>9</b>	<b>95</b>	<b>0.428</b>	<b>18</b>	<b>2.488</b>	<b>0.0560</b>	<b>0.69</b>
<u><a href="#">Uranus</a></u>	<b>19.2</b>	<b>4</b>	<b>15</b>	<b>0.748</b>	<b>15</b>	<b>0.774</b>	<b>0.0461</b>	<b>1.29</b>
<u><a href="#">Neptune</a></u>	<b>30.1</b>	<b>4</b>	<b>17</b>	<b>0.802</b>	<b>8</b>	<b>1.774</b>	<b>0.0097</b>	<b>1.64</b>
<u><a href="#">Pluto</a></u>	<b>39.5</b>	<b>0.18</b>	<b>0.002</b>	<b>0.267</b>	<b>1</b>	<b>17.15</b>	<b>0.2482</b>	<b>2.03</b>

transito di un pianeta sul disco  
della sua stella



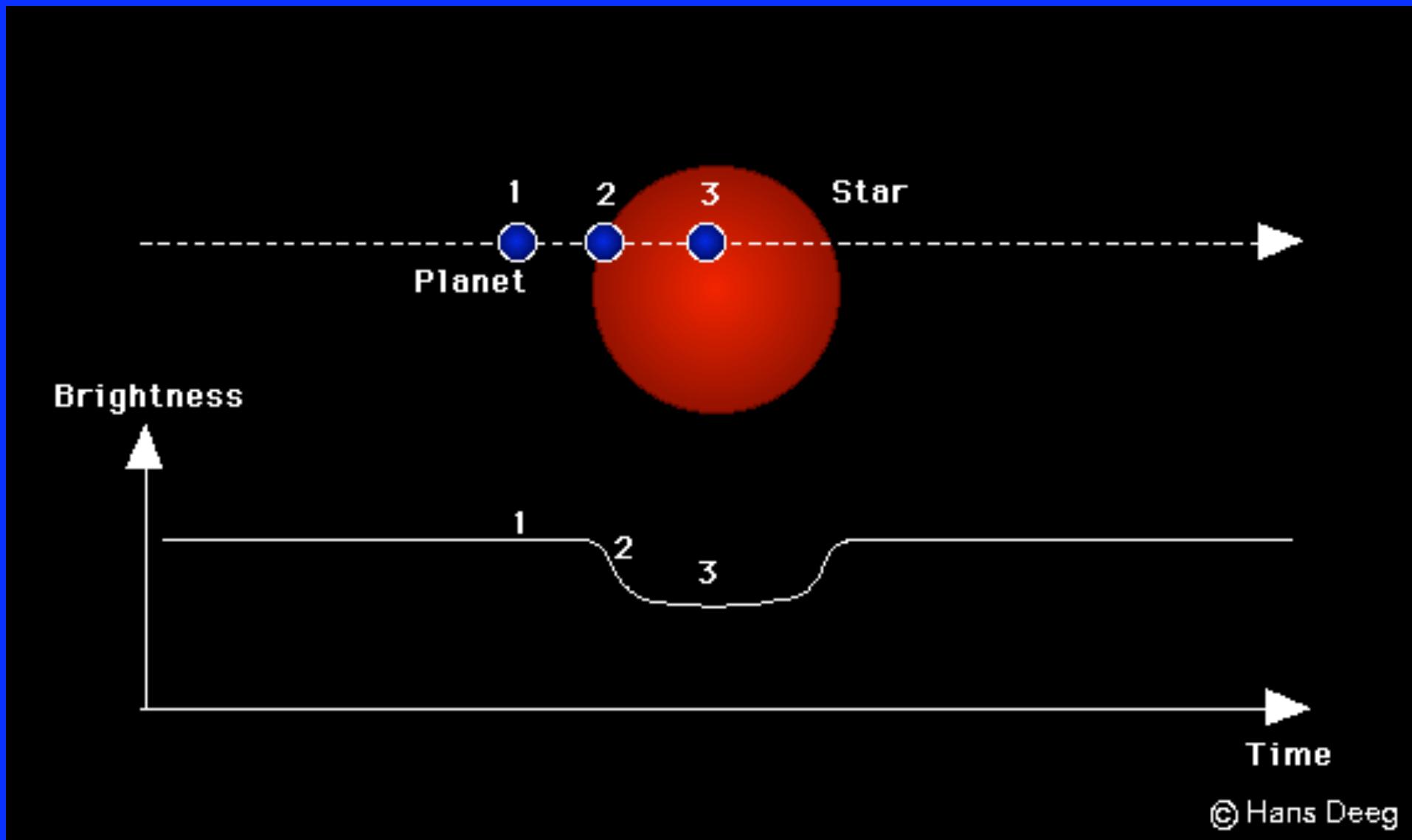
© 1999 Lynette Cook

**eclisse  
totale  
di Sole**

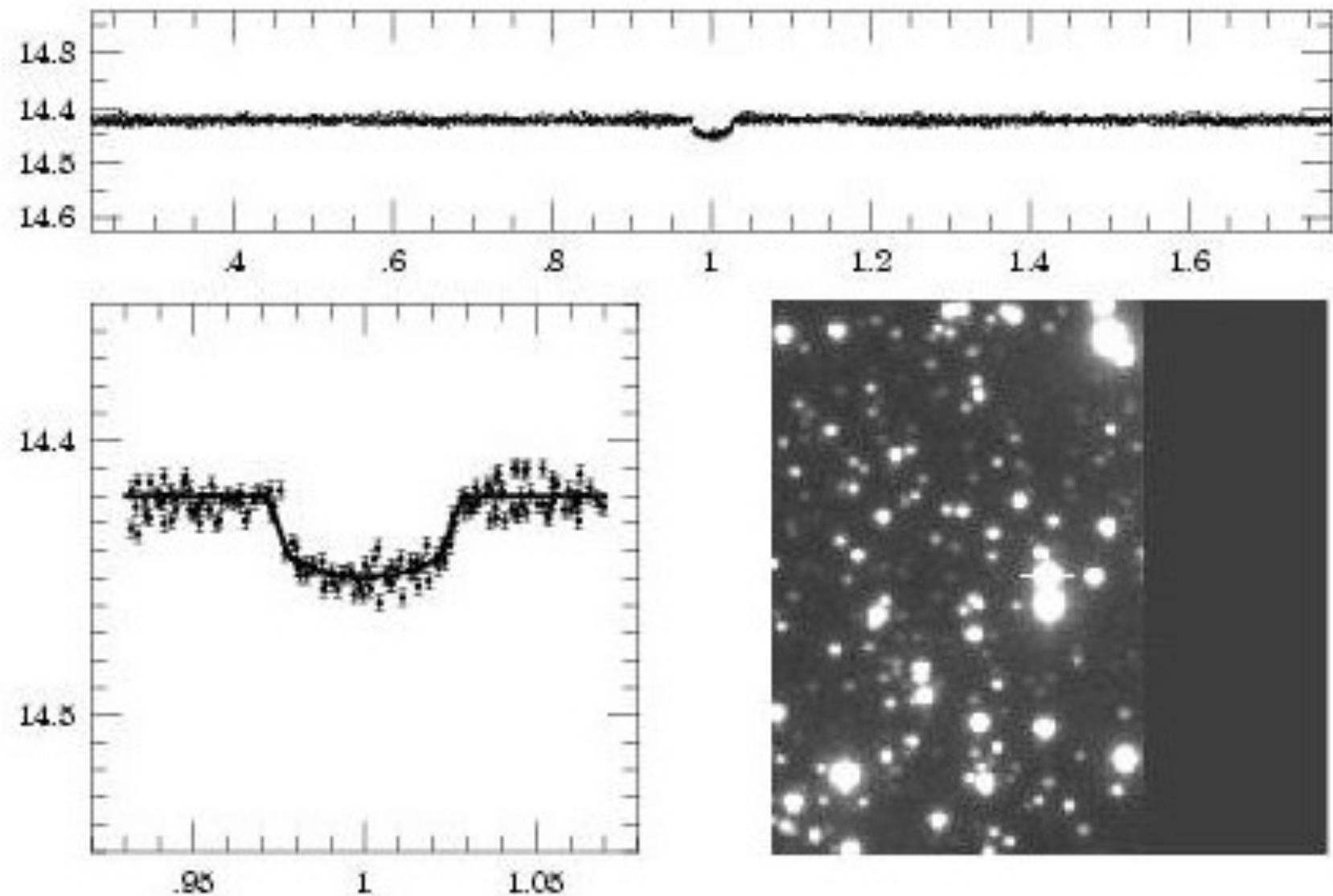


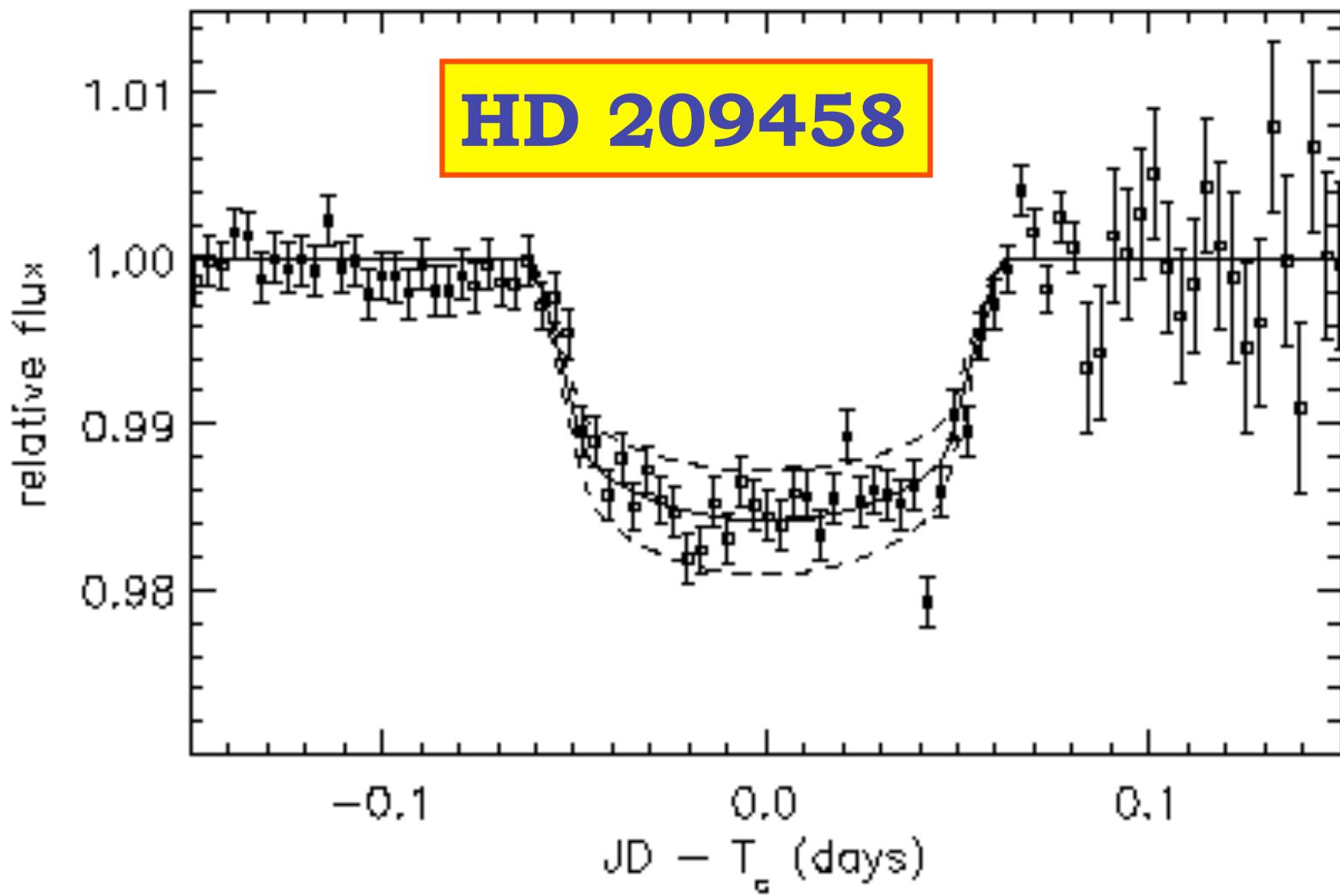
# Transito di Venere sul Sole



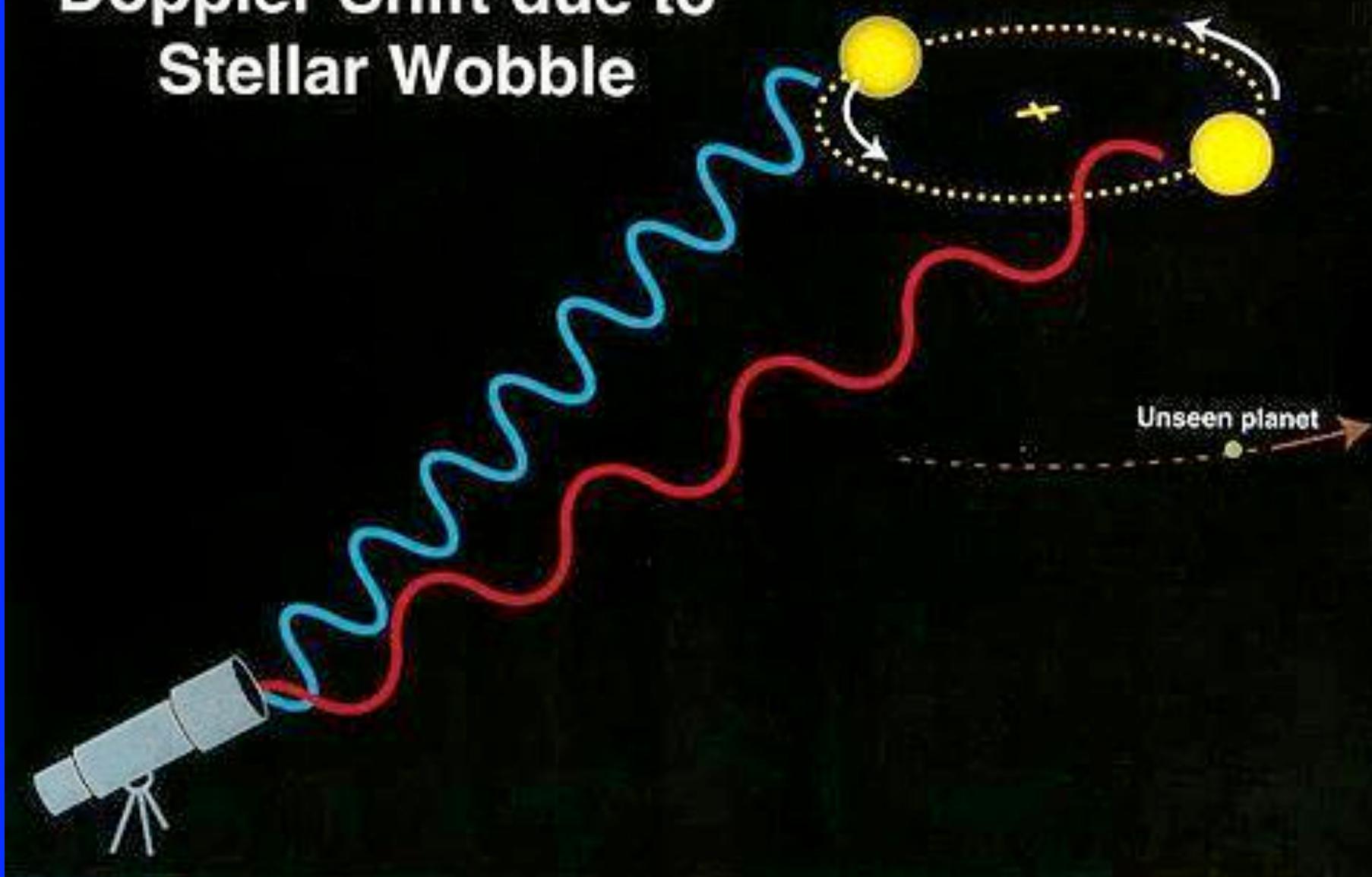


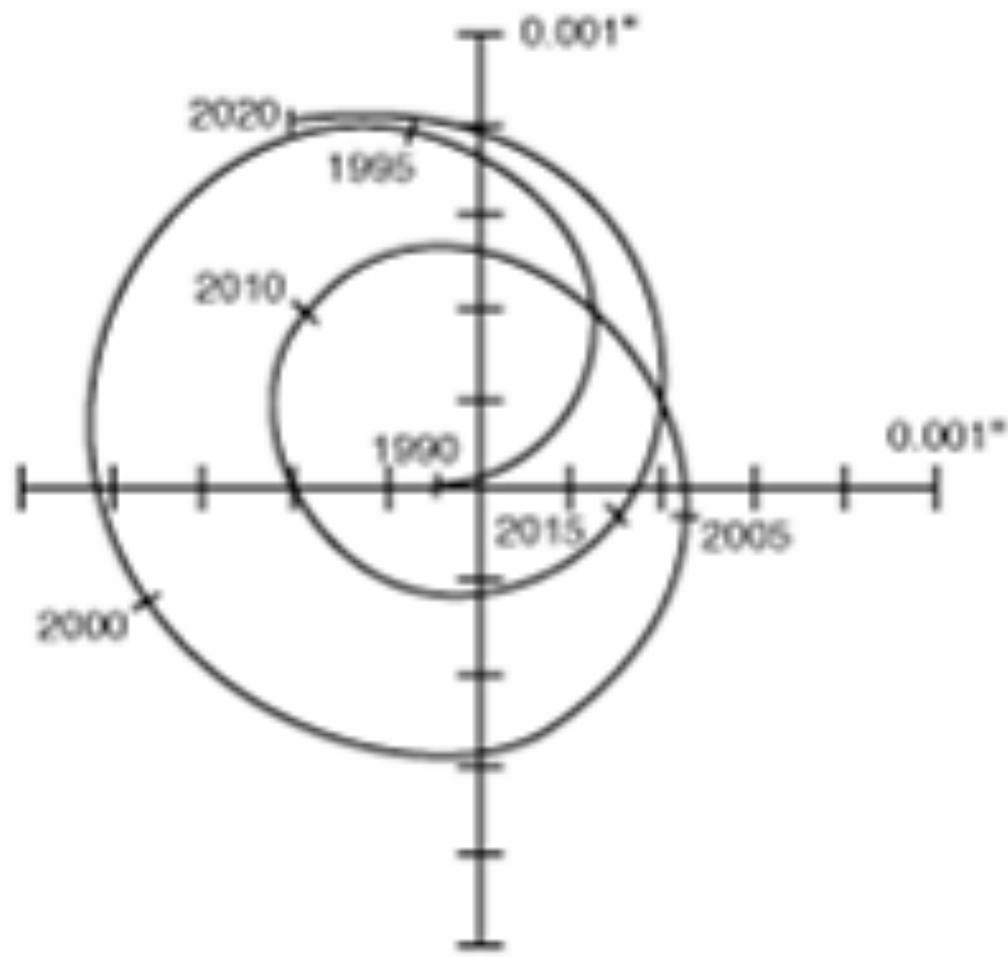
OGLE-TR-113 P=1.43250 (days)





# Doppler Shift due to Stellar Wobble

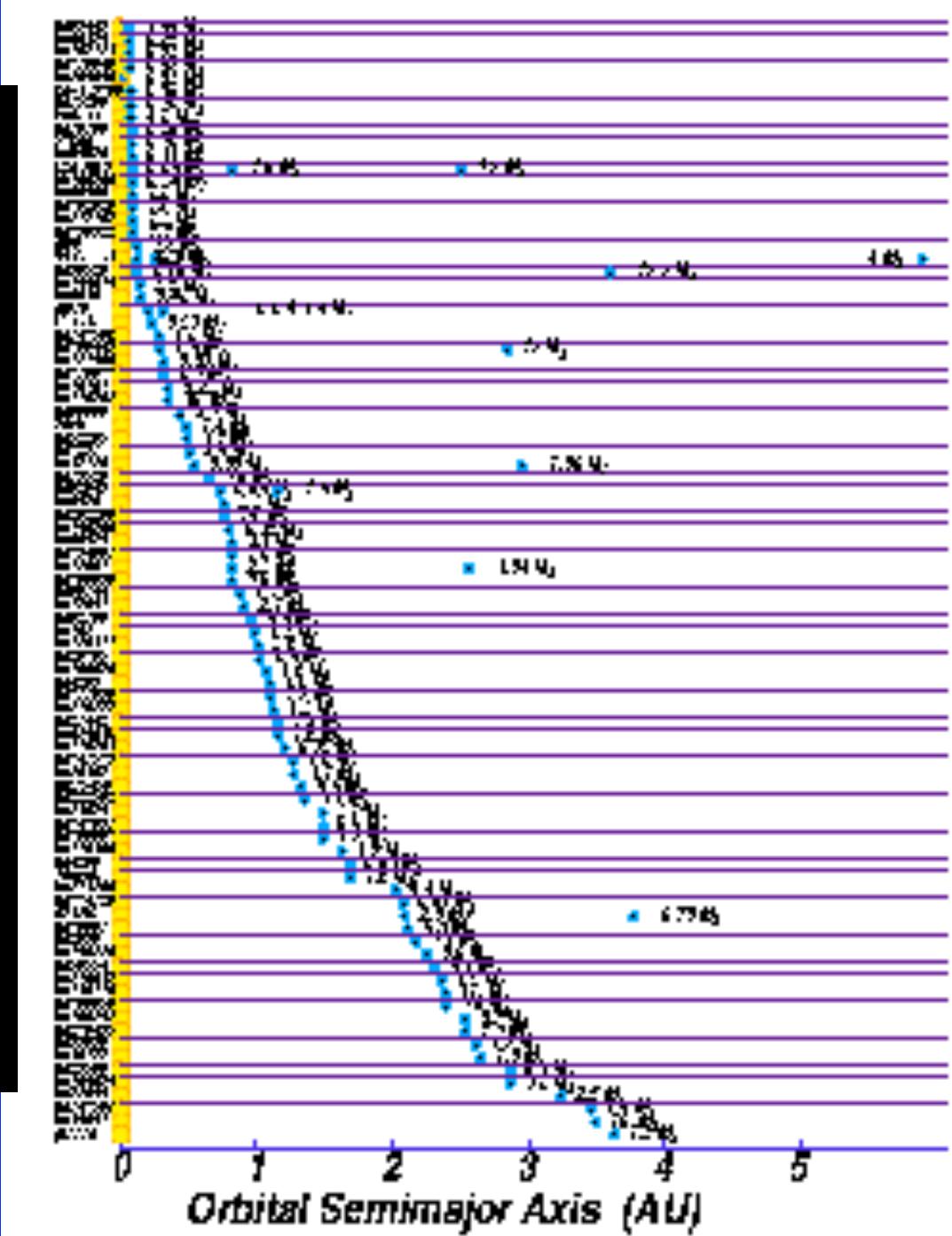


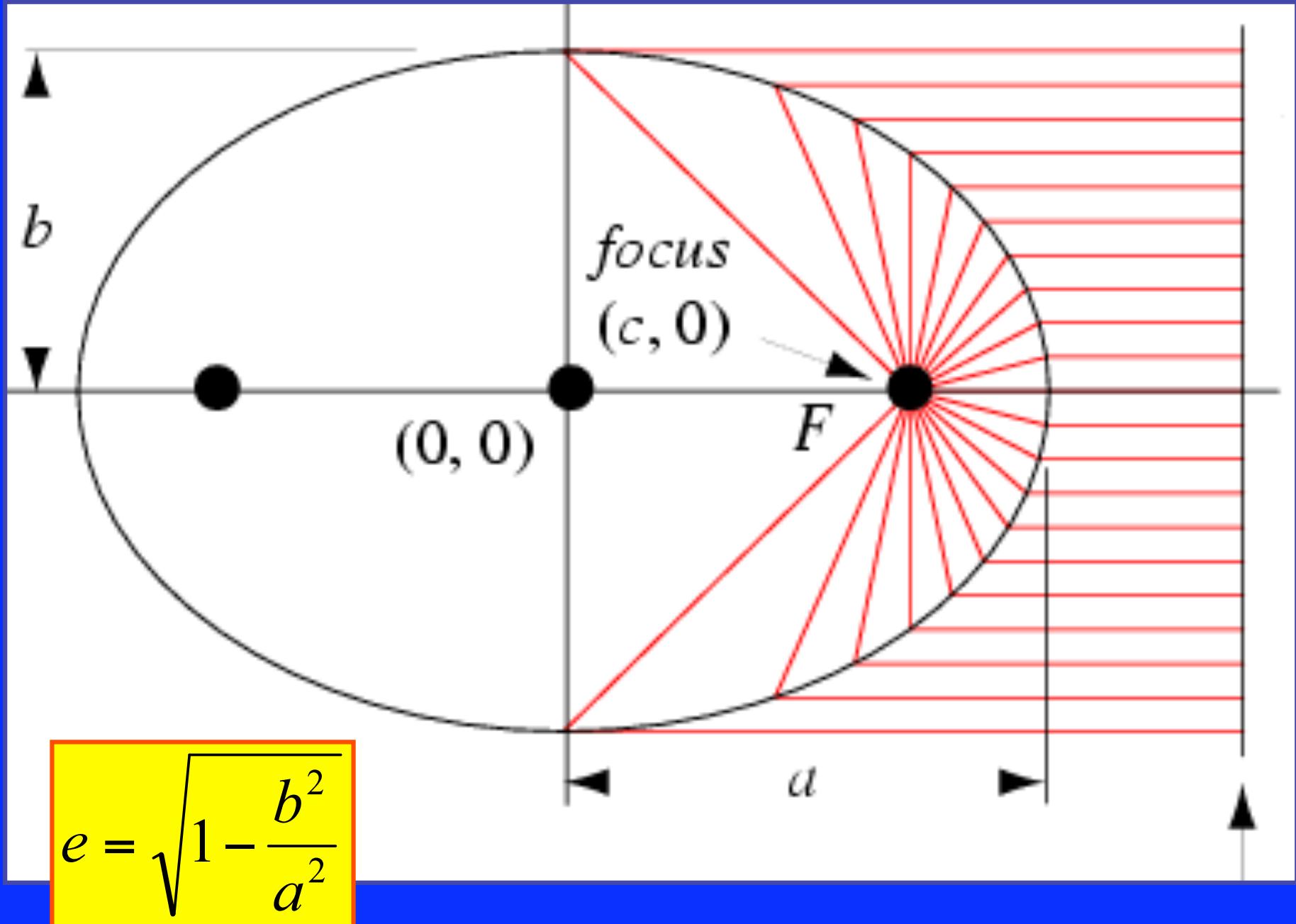


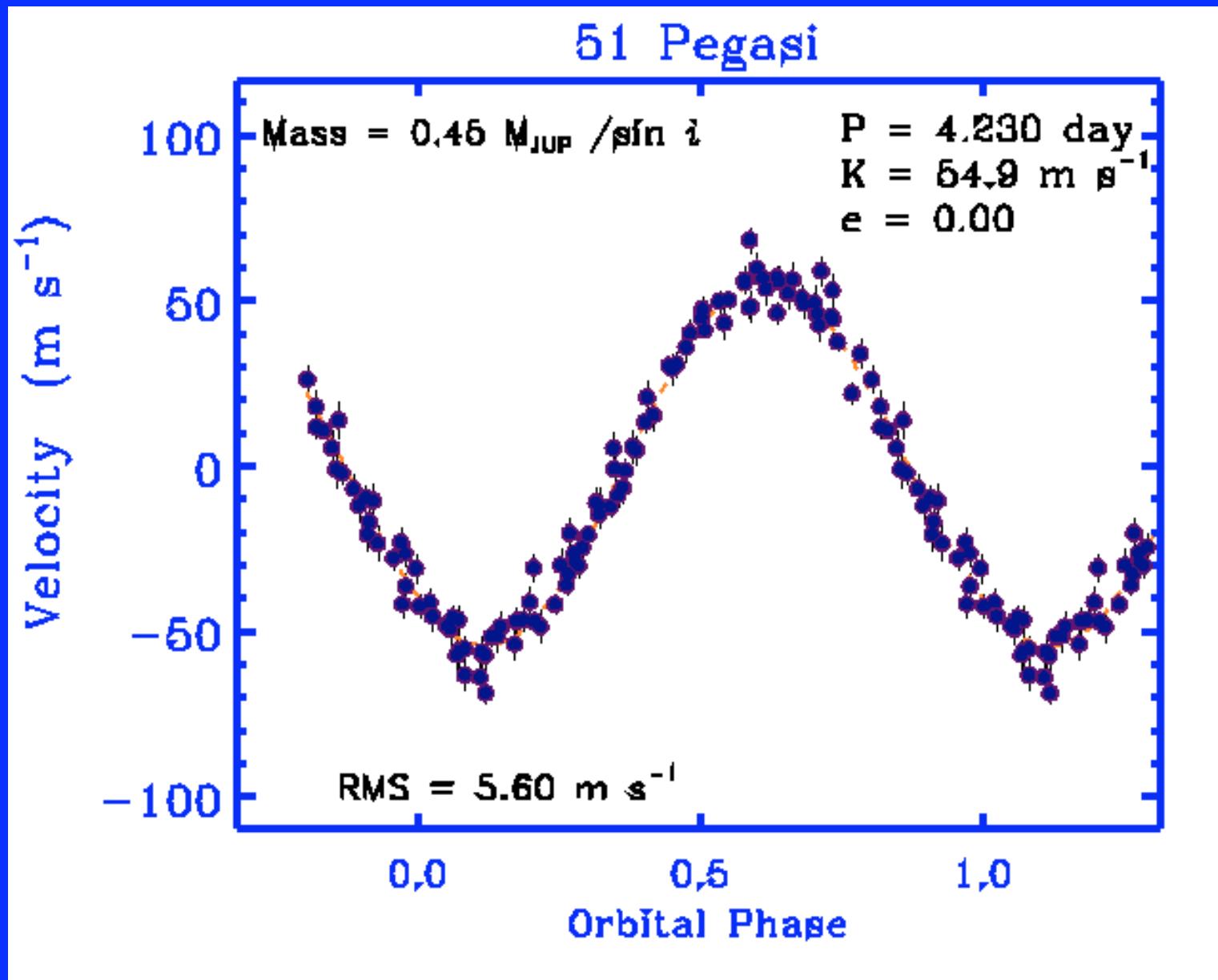
Astrometric displacement of the Sun due to Jupiter  
as seen from 10 parsecs.

Il primo pianeta extrasolare venne scoperto nel 1995 da Mayor e Queloz, all'Osservatorio di Ginevra, intorno alla stella 51 Pegasi. Ora sono oltre 200 i sistemi planetari extrasolari scoperti (in media se ne scopre 1 al mese).

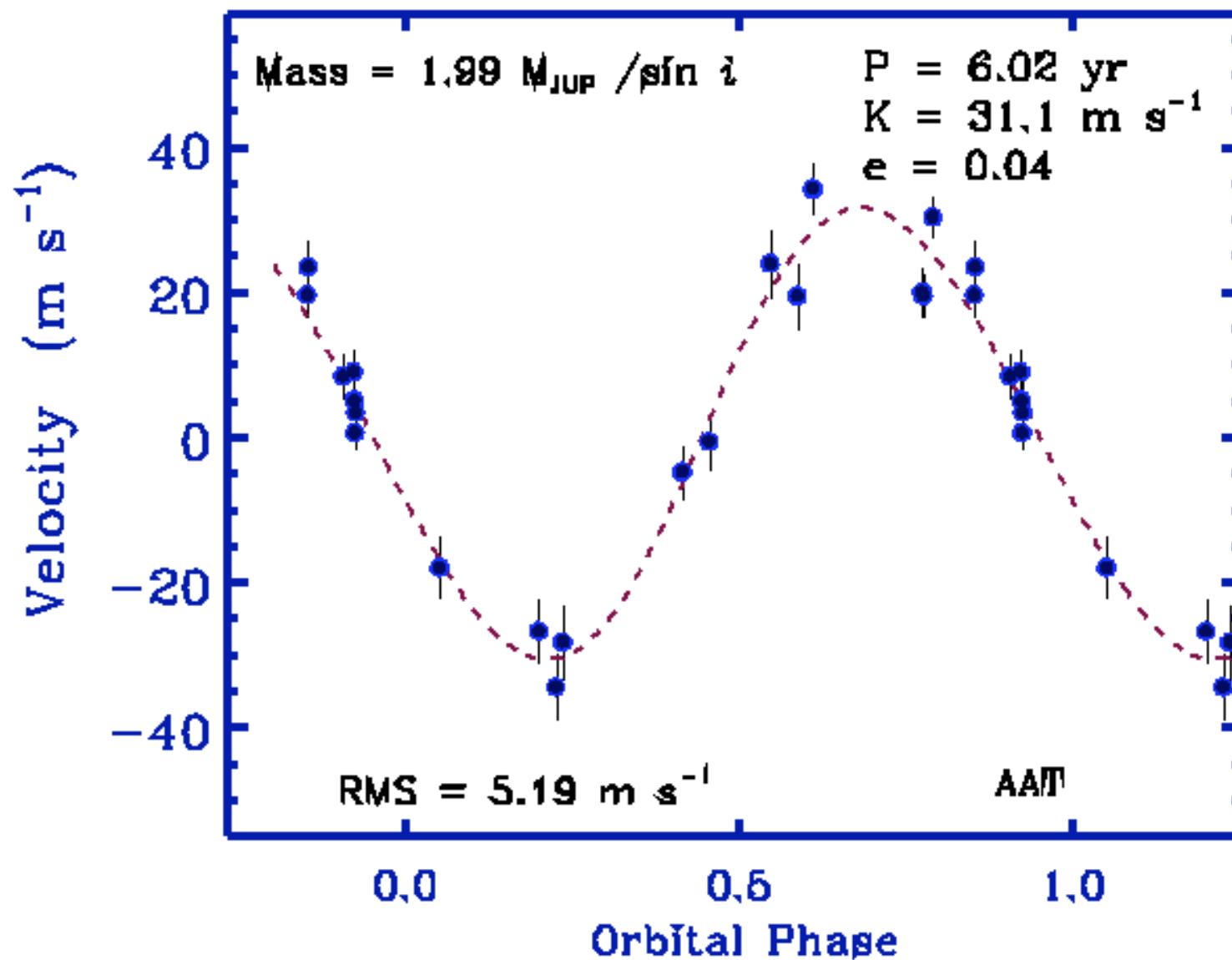
P.Galeotti

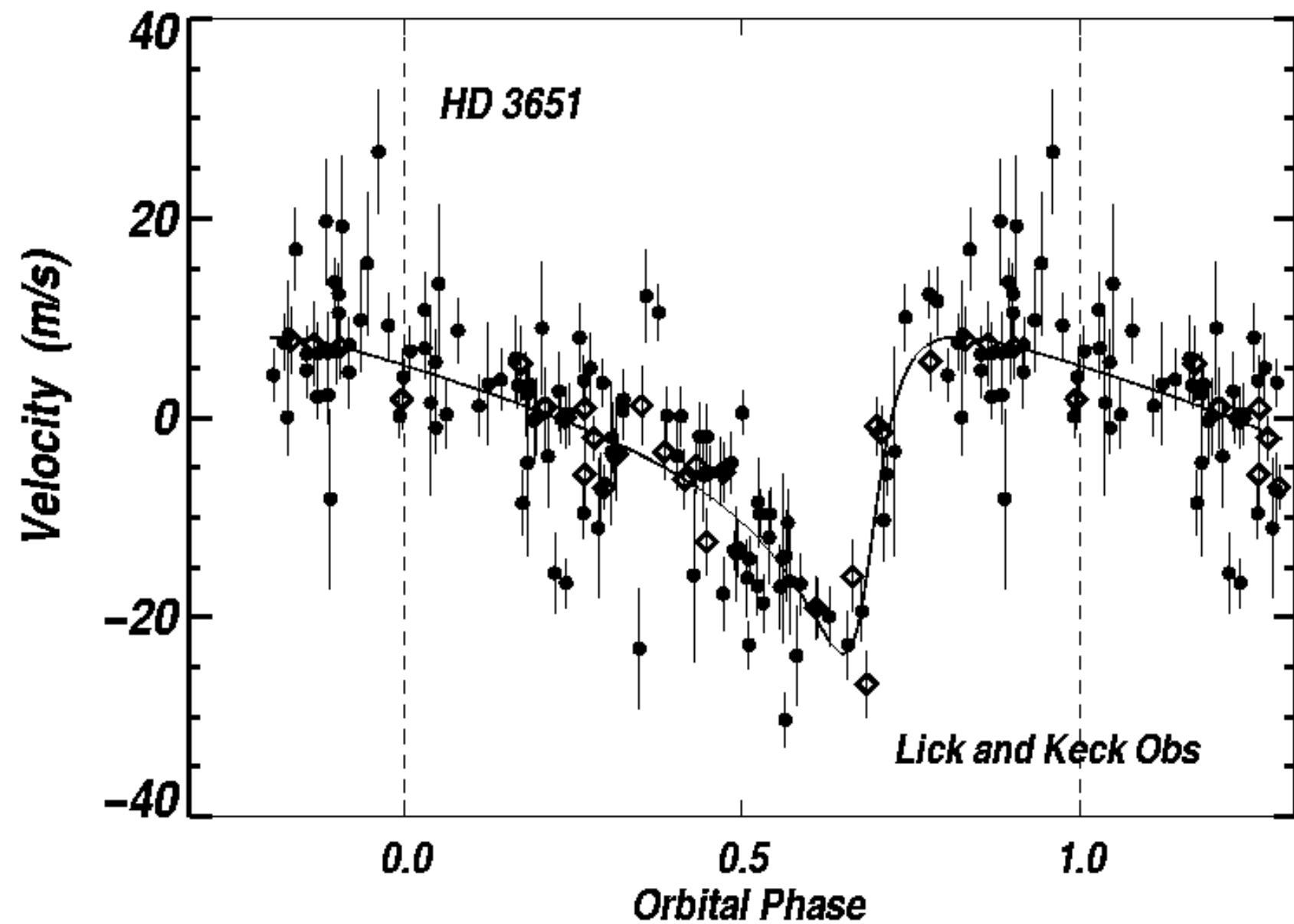


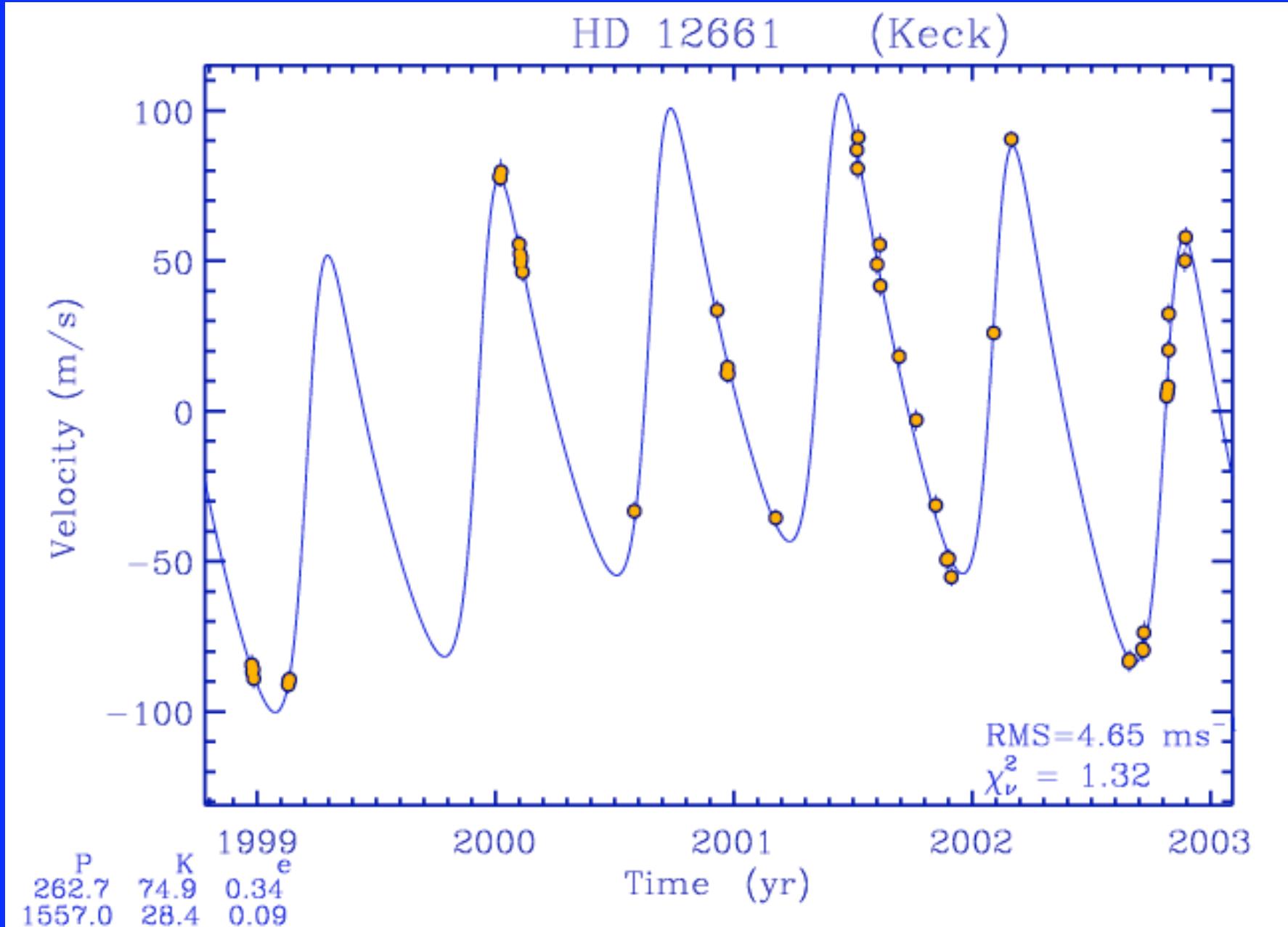


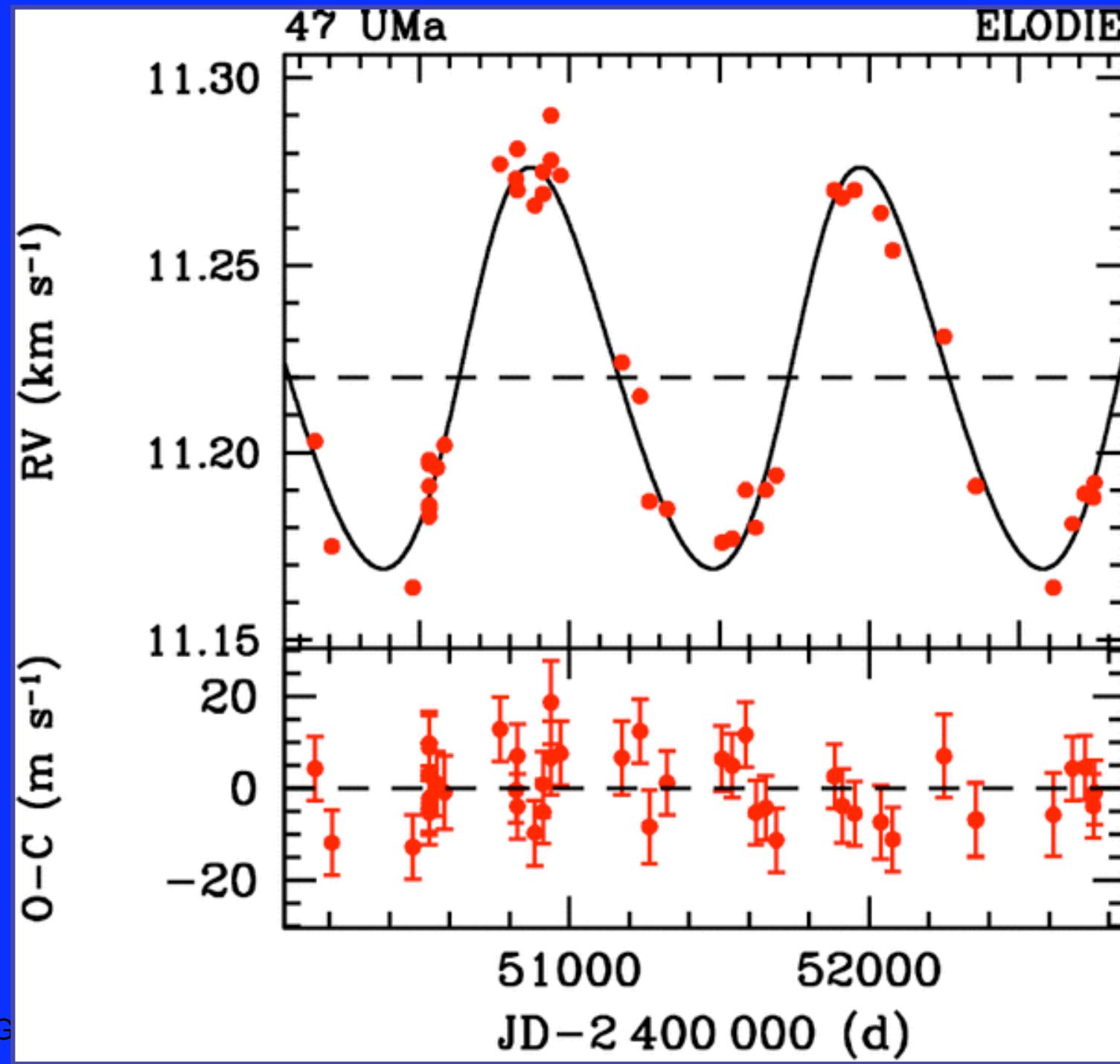


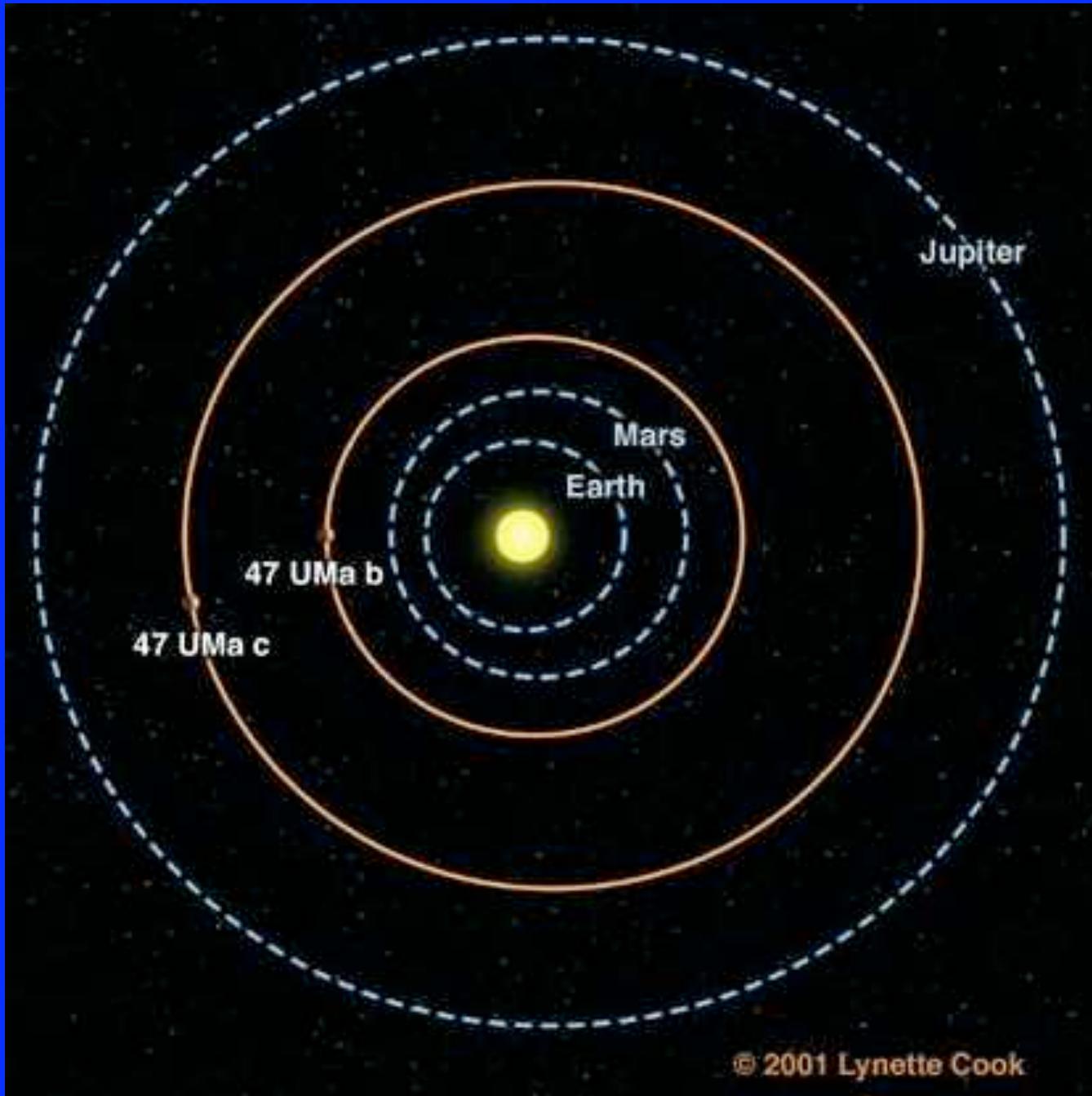
## HD 70642



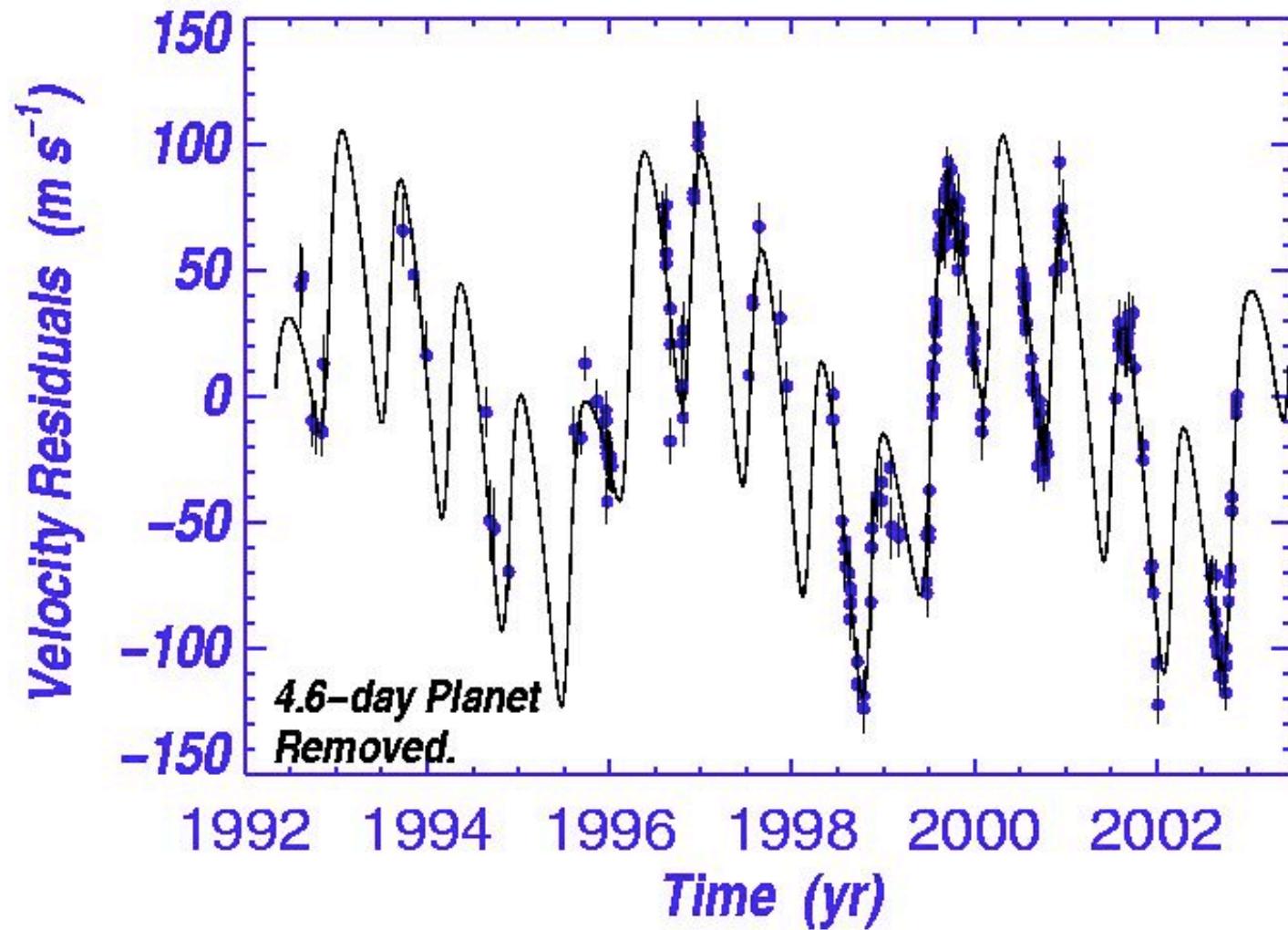




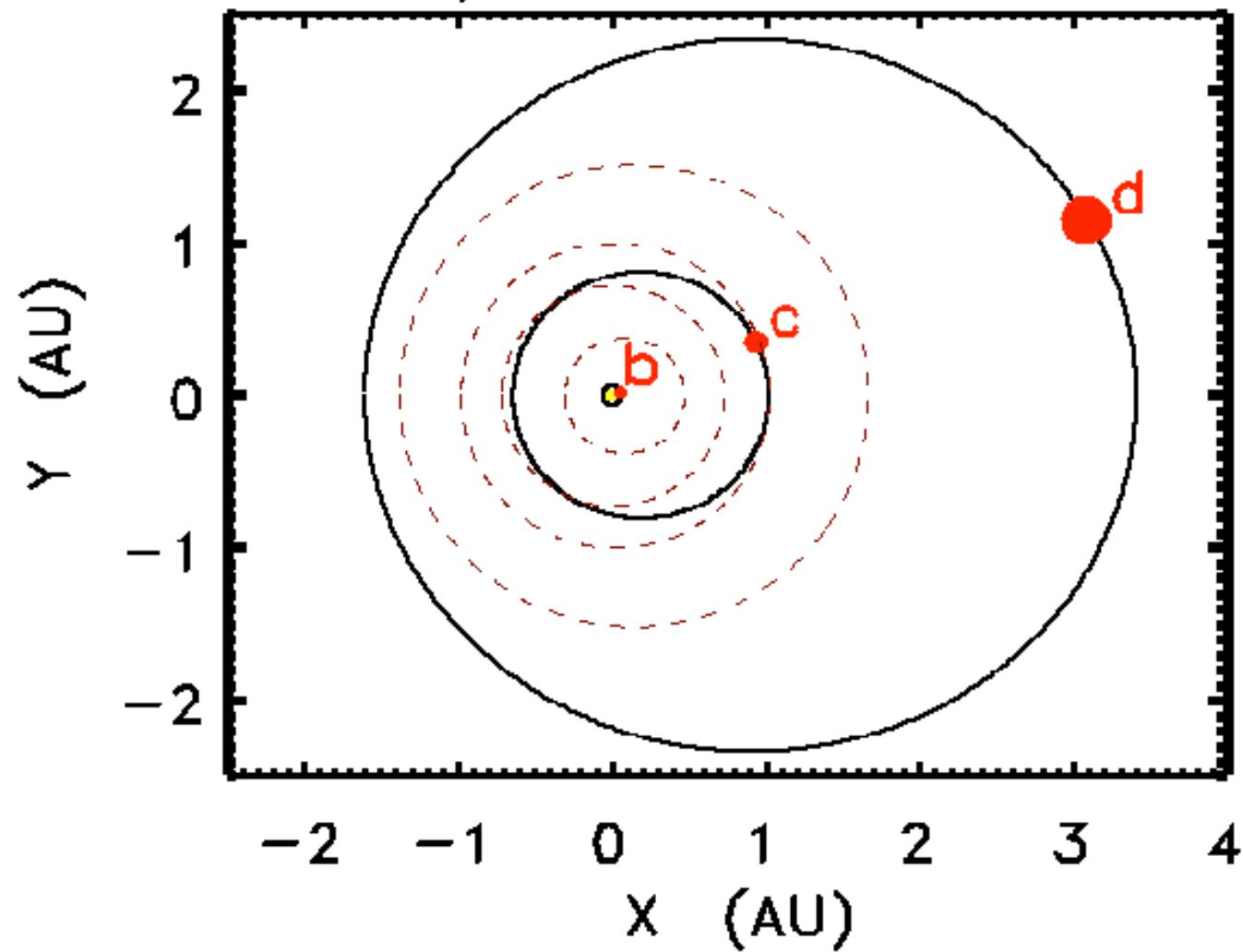




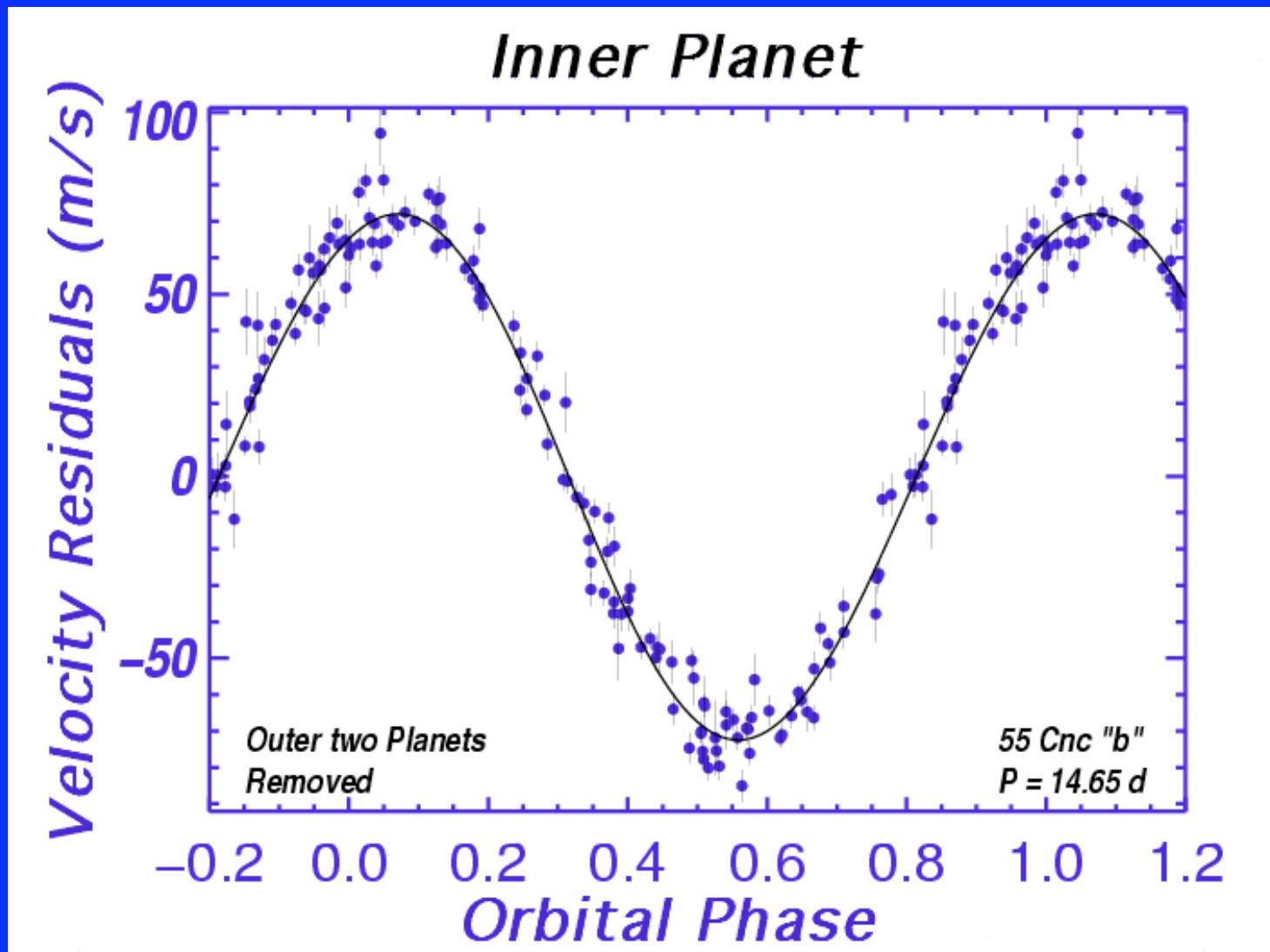
# Upsilon Andromedae



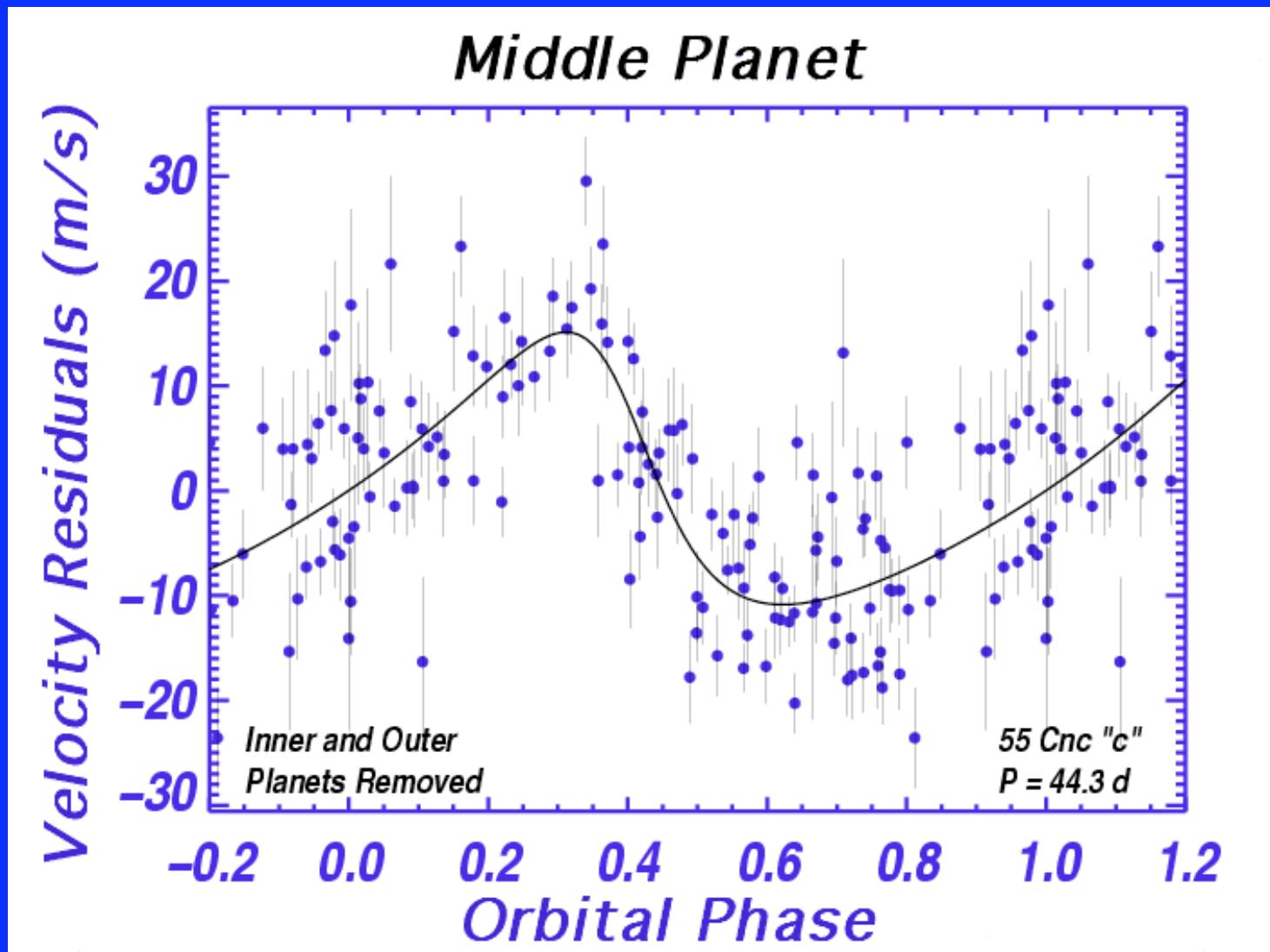
## Upsilon Andromedae



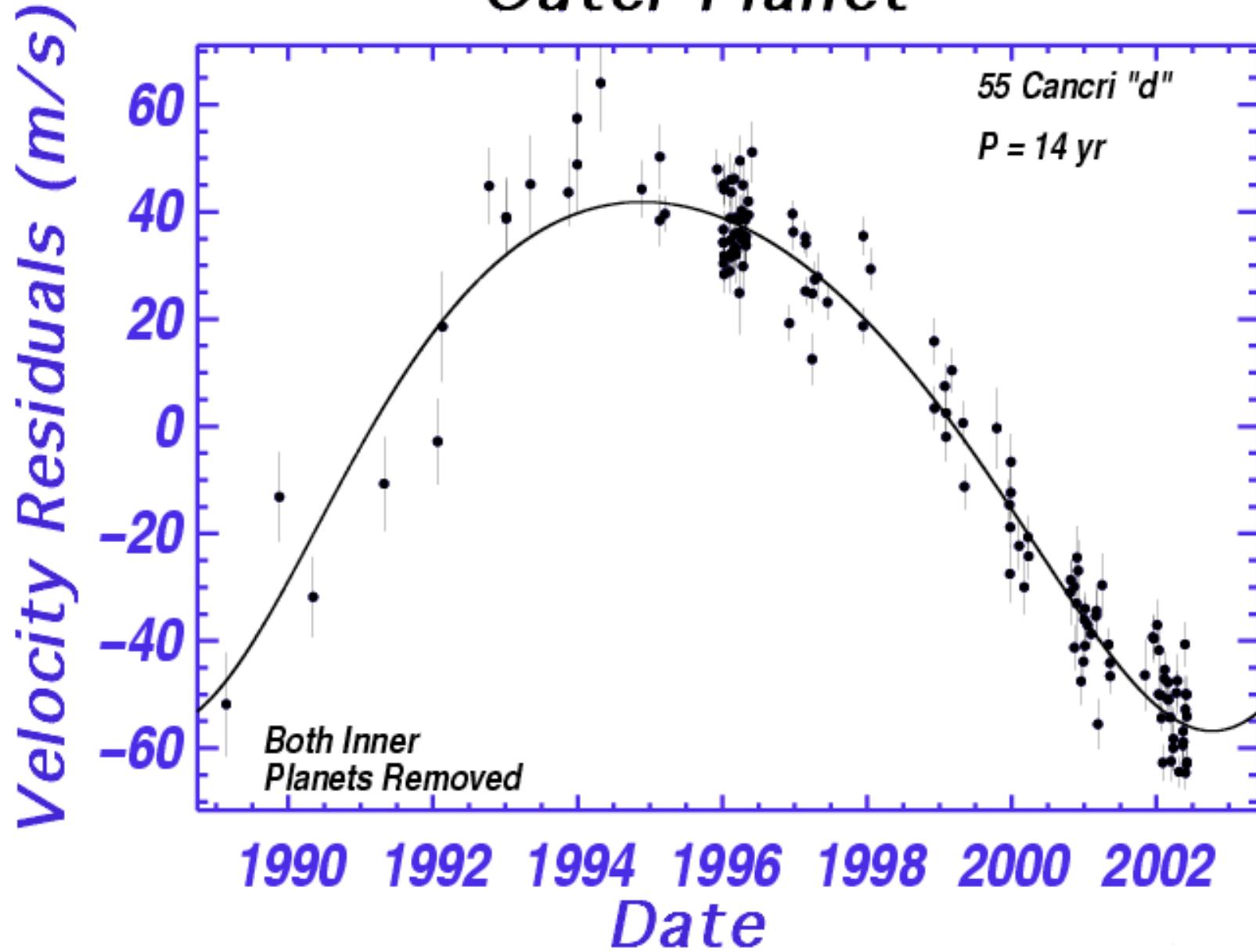
# 55 Cnc



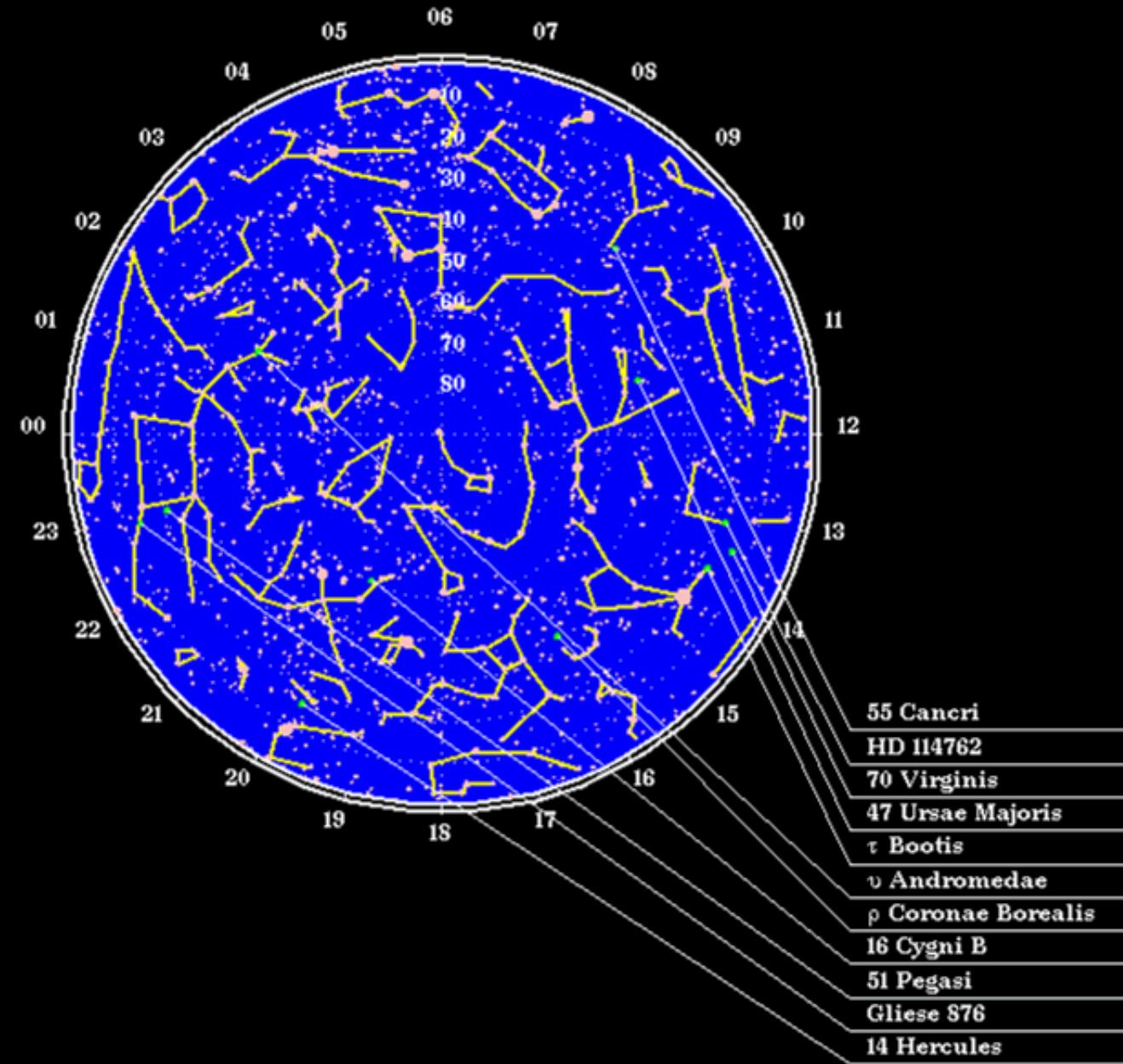
# 55 Cnc

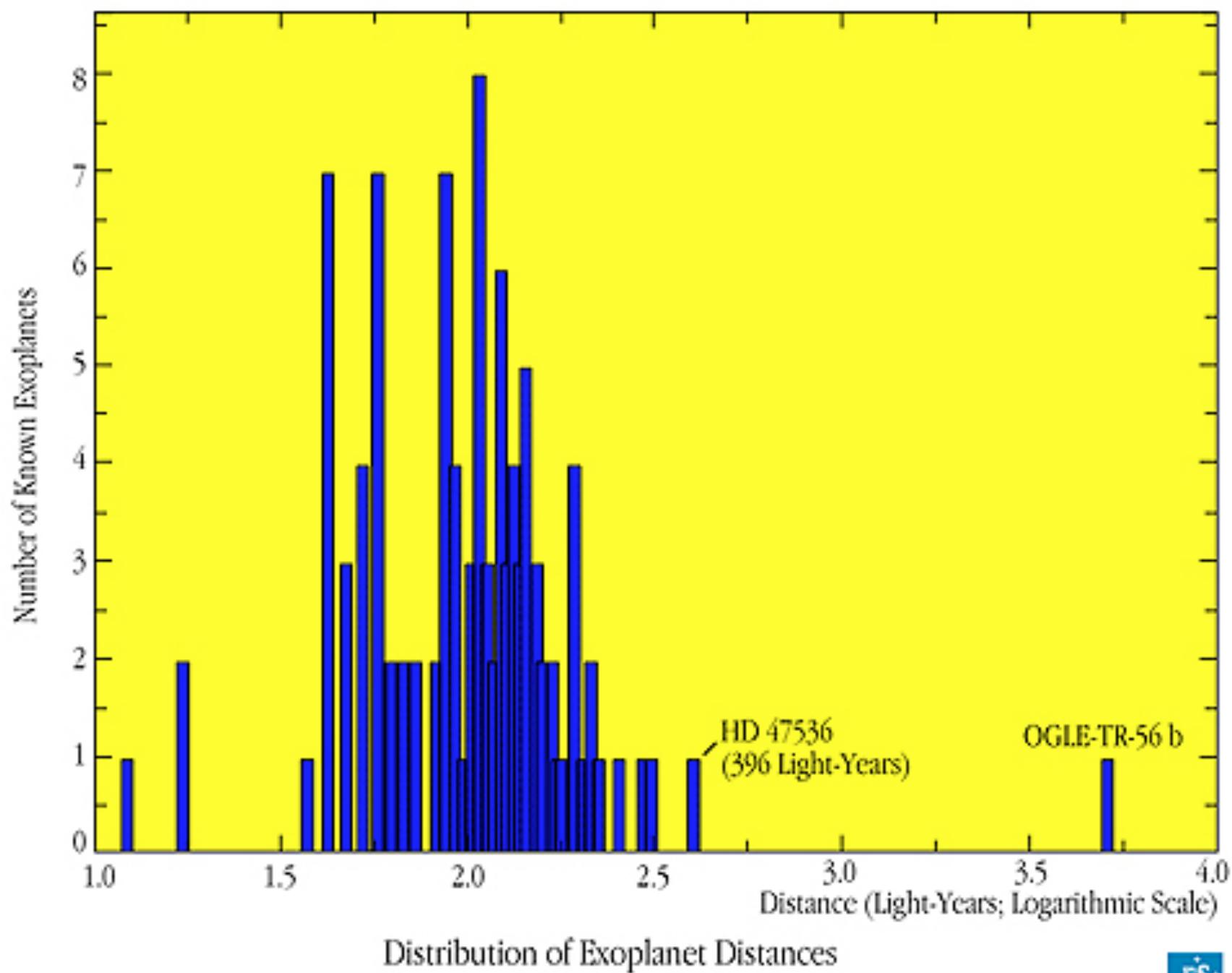


# *Outer Planet*

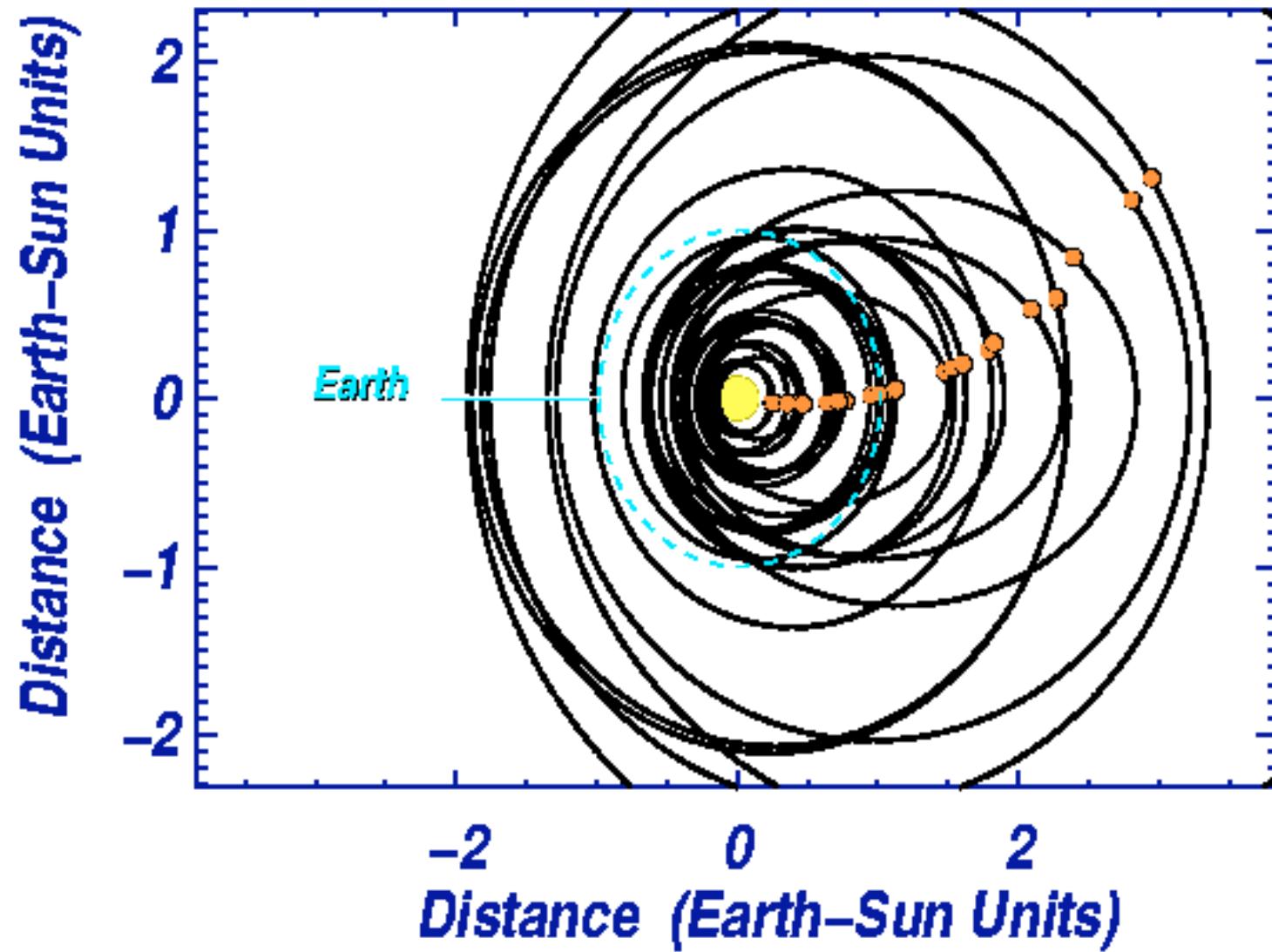


# They are everywhere!

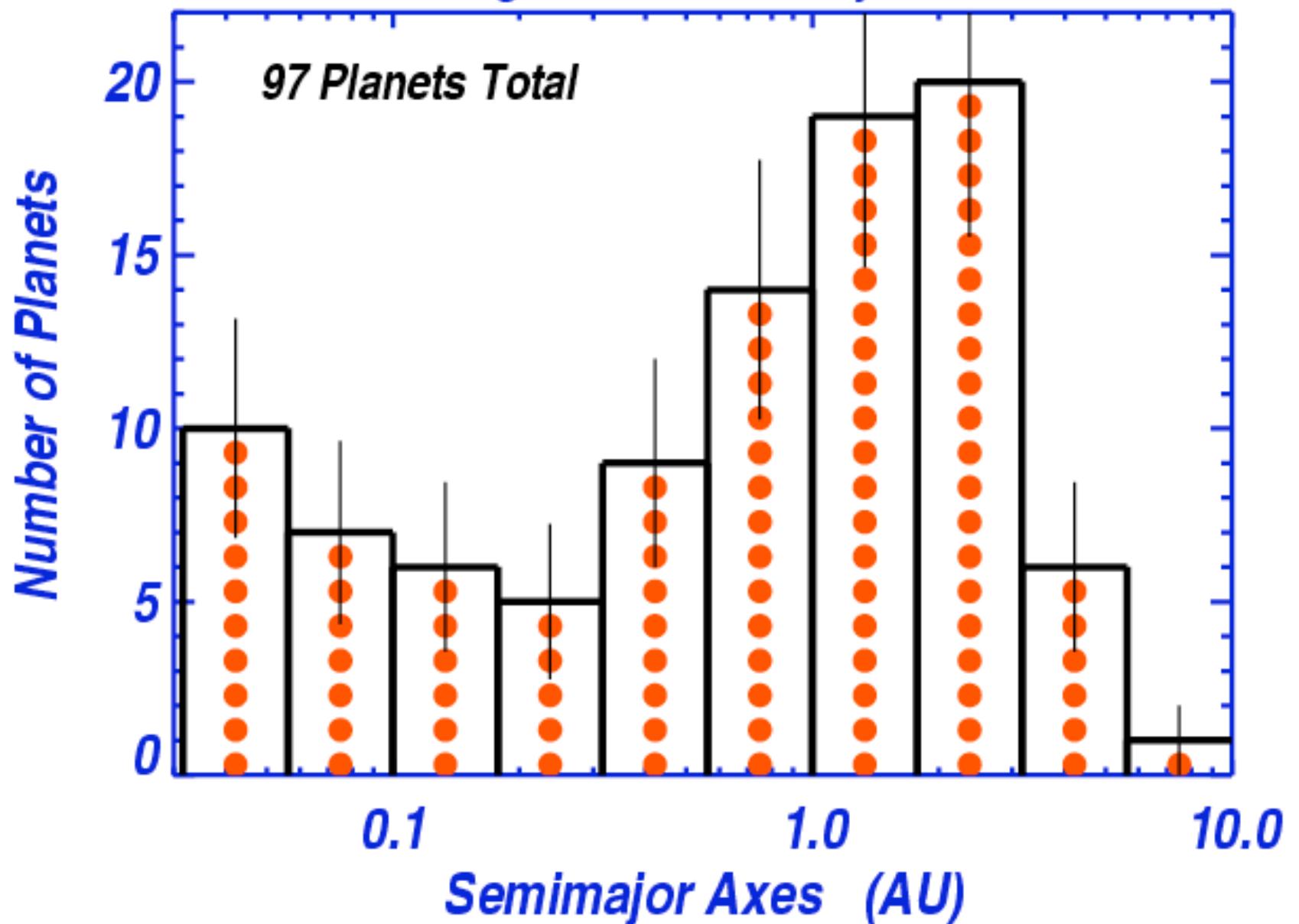


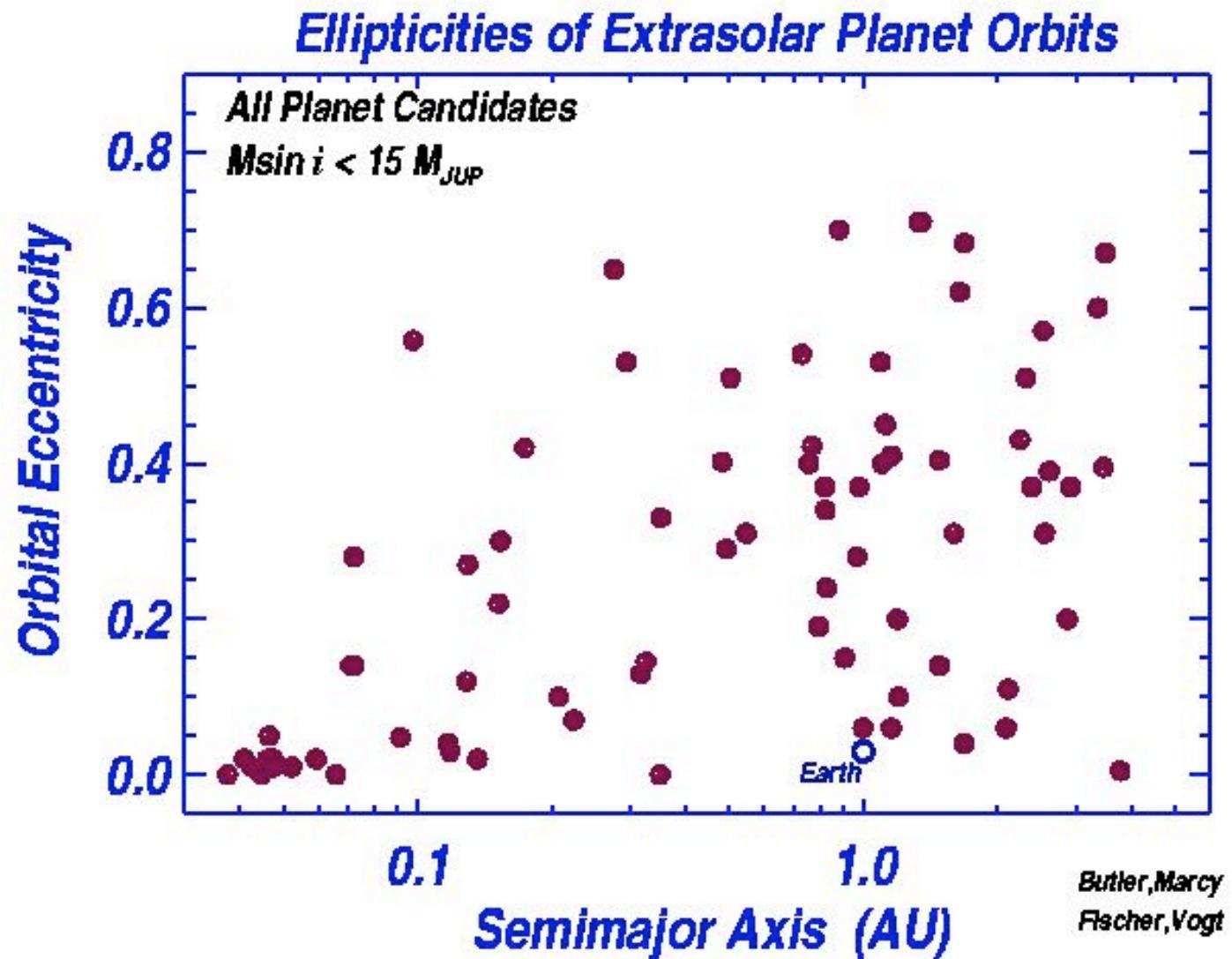


## *Orbits of Extrasolar Planets*

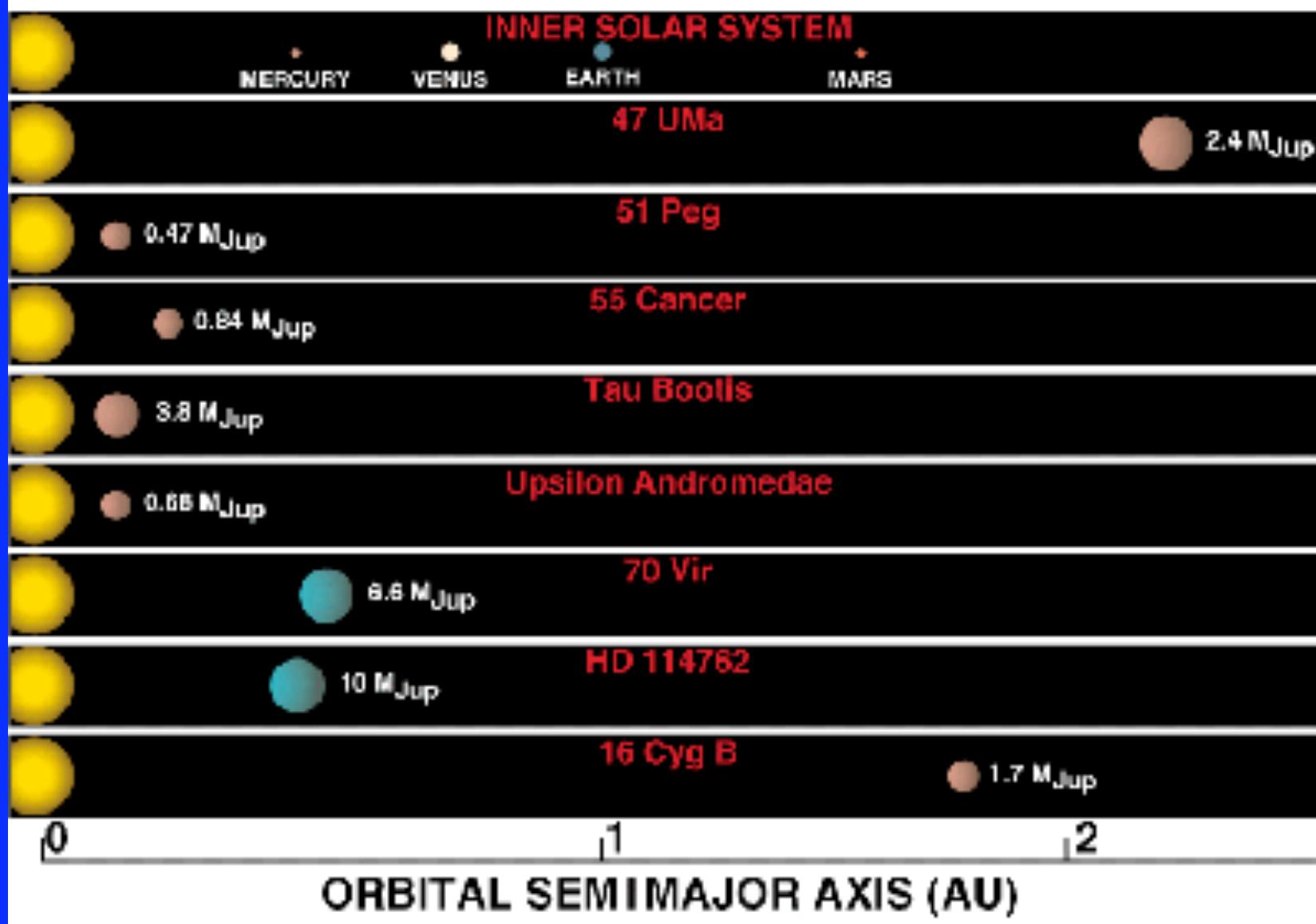


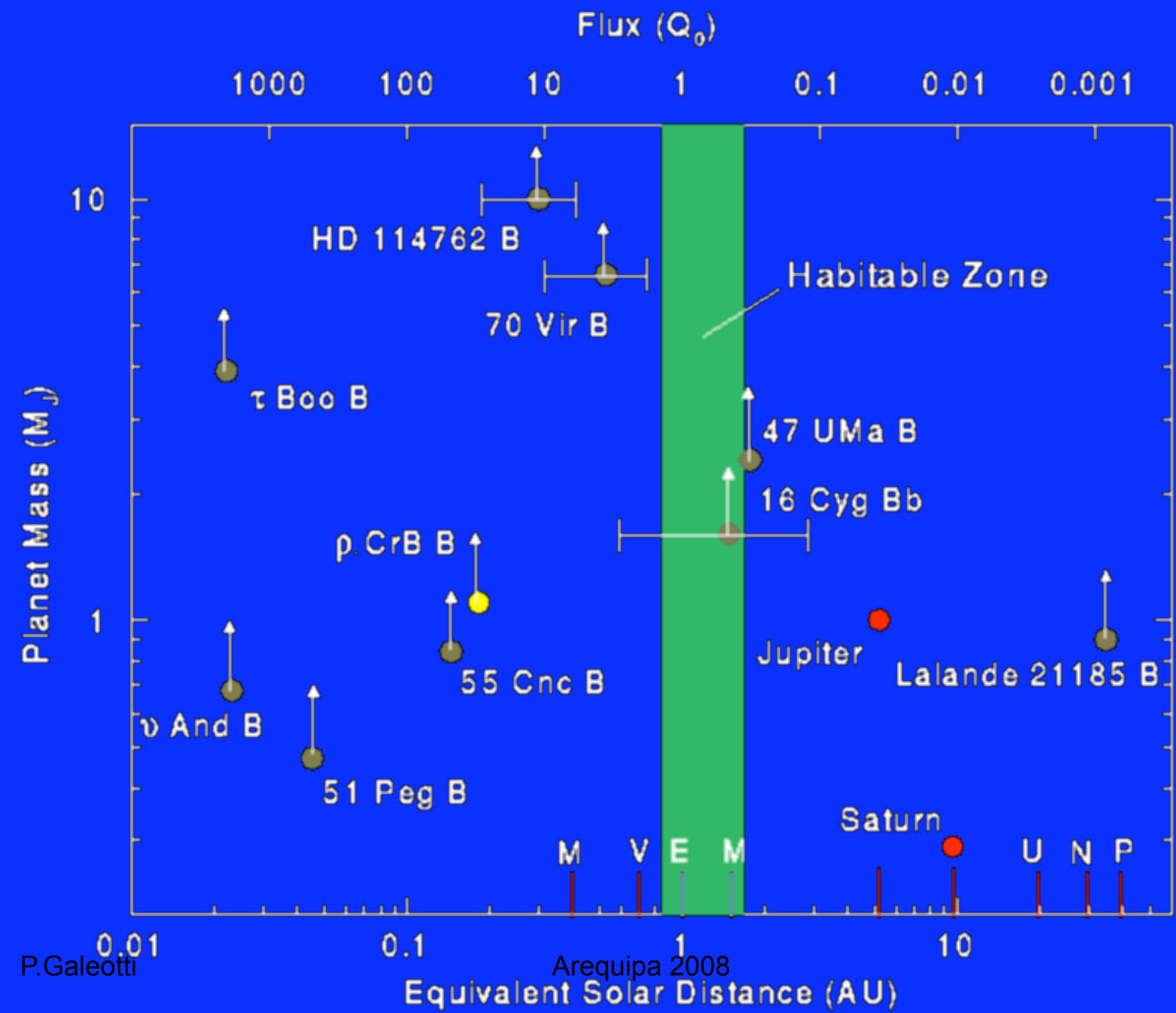
## *Histogram of Semimajor Axes*





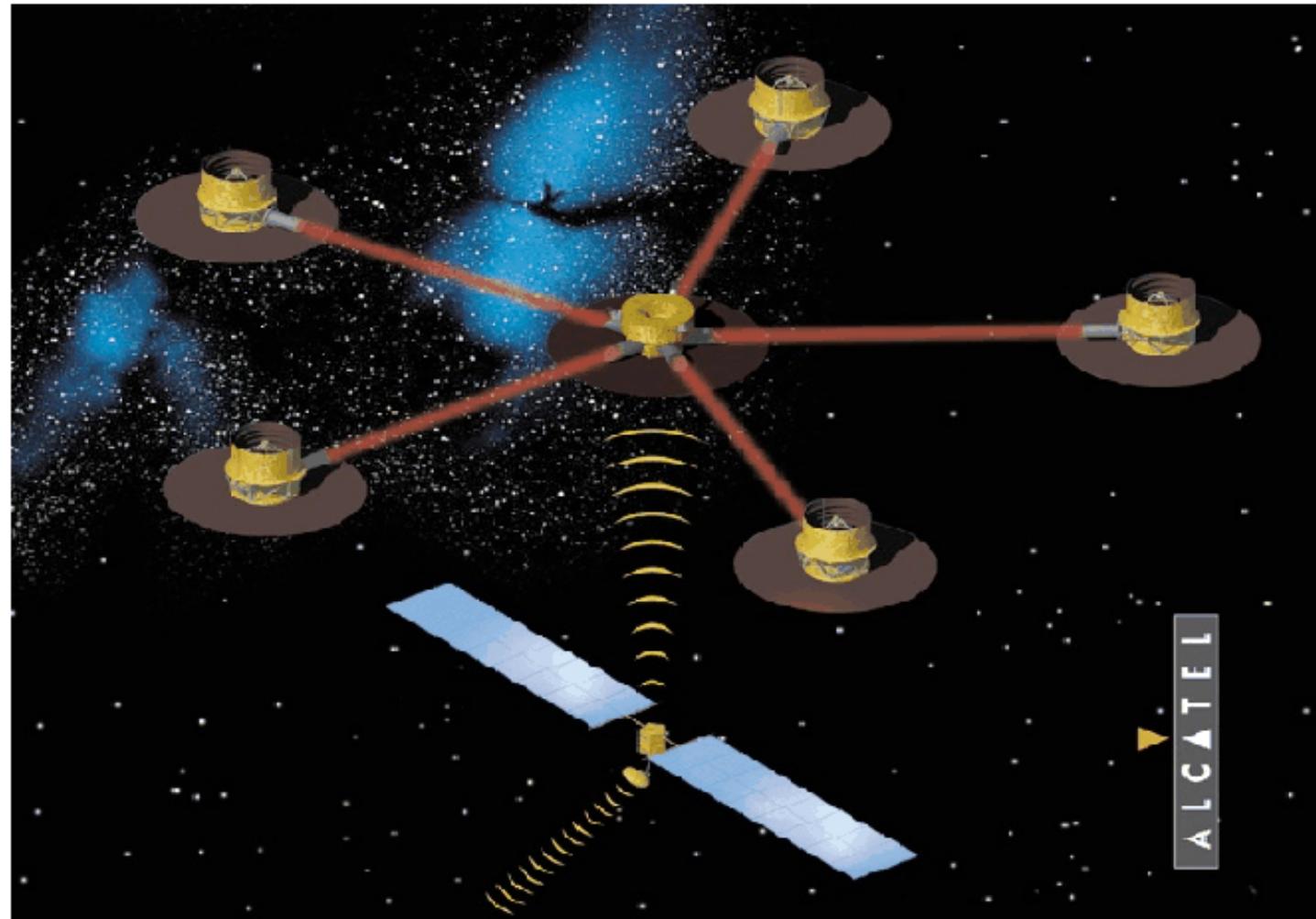
# PLANETS AROUND NORMAL STARS

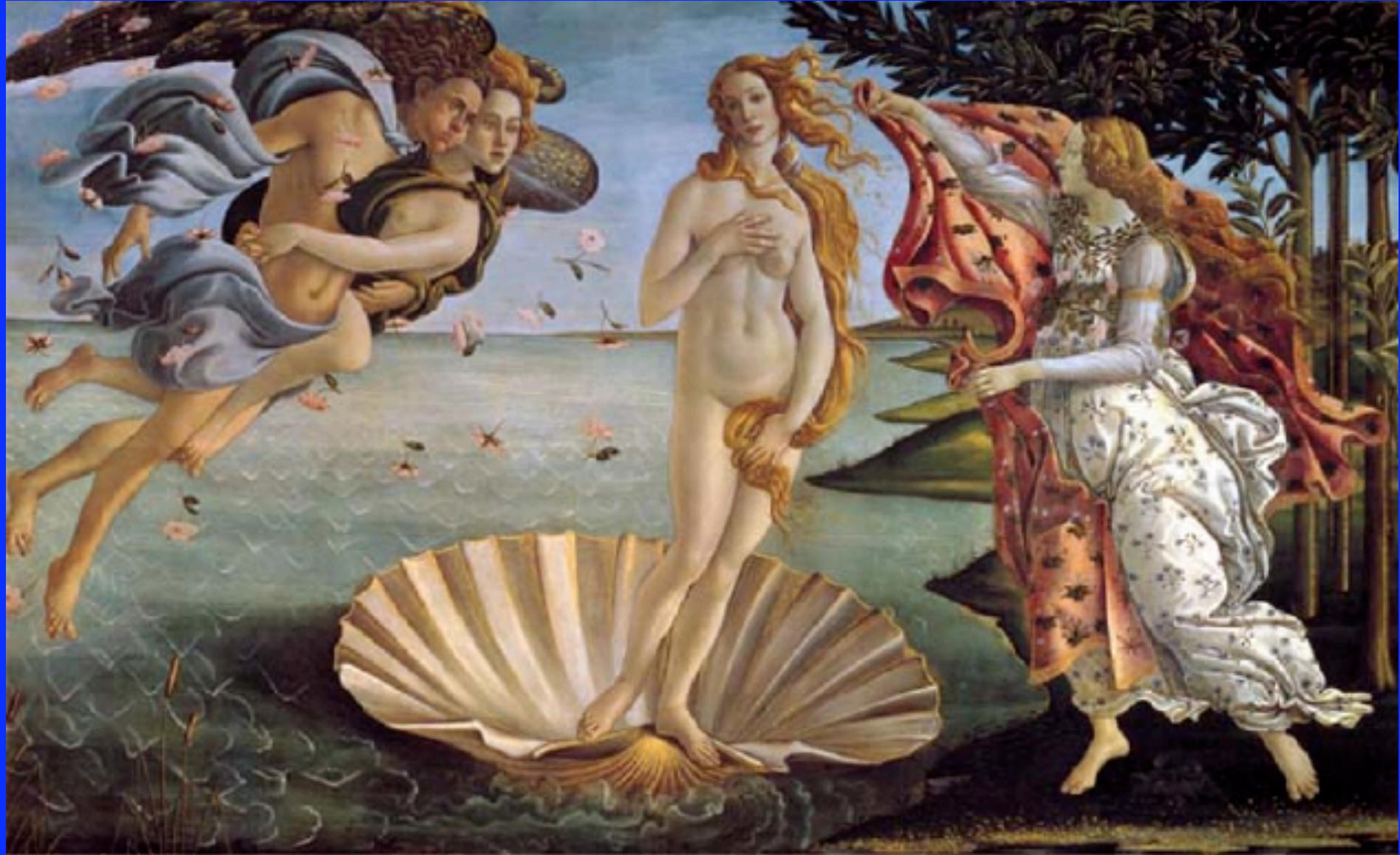






## Alcatel IRSI Free-flyer concept





Botticelli, 1484 - *La nascita di Venere*

P.Galeotti

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