

Determination of Dynamical and Physical Parameters of the CoRoT 3 System

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CoRoT 3

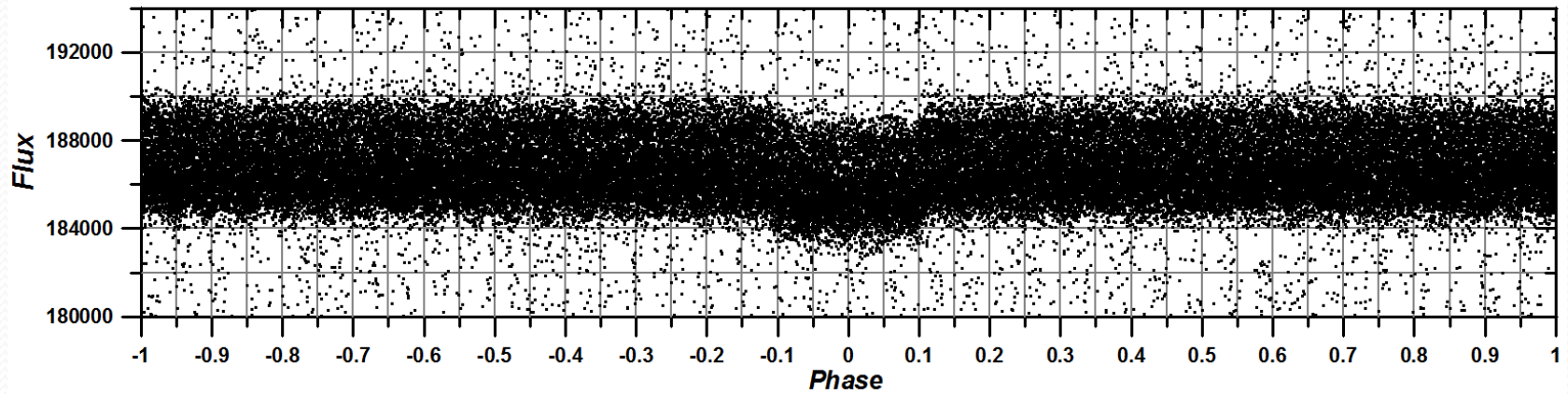
- 46 Radial Velocities:

→ 35 RV's (Harps , SOPHIE, TLS, Coralie and SANDIFORD) → Mass of CoRoT 3b

→ 11 Rv's were done during one transit of CoRoT 3b → Rotation of star (Rossiter-Mclaughlin)

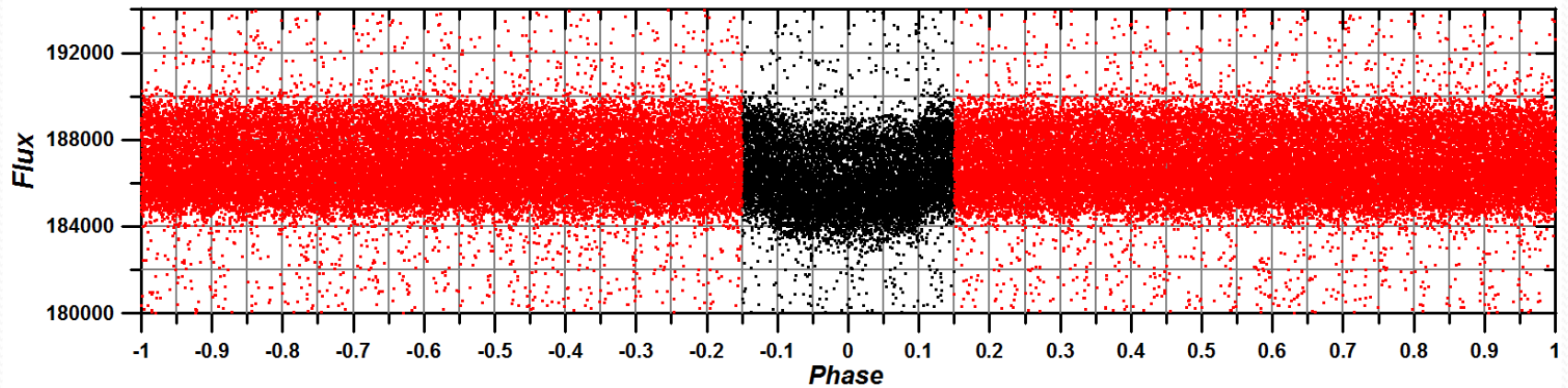
CoRoT 3

- The Light Curve



CoRoT 3

- From the Light Curve



CoRoT 3

- Points with no transit:
 - *Ellipsoidal Variability*
 - *Reflection Effect*
 - *Beaming Effect*

Radius and Mass of CoRoT 3 by this effects