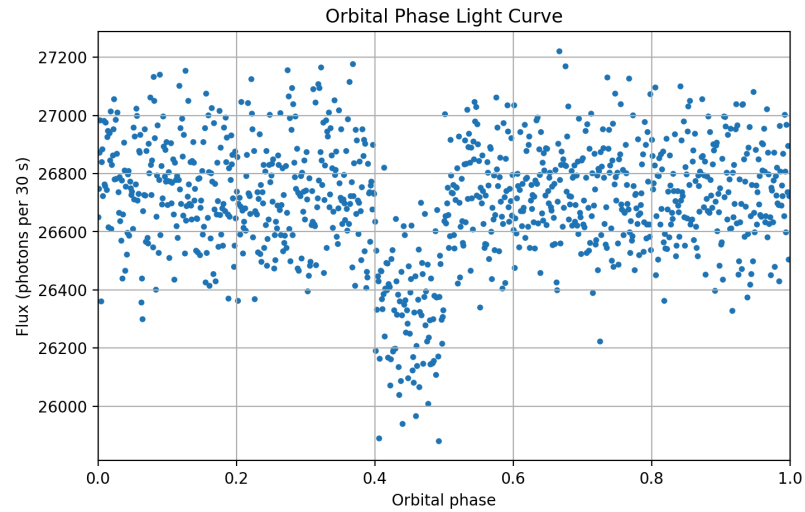


Problem Set 6

1. Orbital phase light curve:



2. Transit start/end phase = 0.41, 0.49
3. Out-of-transit mean flux (photons per measurement): 26715.16
4. Out-of-transit mean flux error: 6.14
5. In-transit mean flux (photons per measurement): 26064.53
6. In-transit mean flux error: 20.12
7. Transit depth delta F: 650.64, Error on delta F: 21.03
8. Fractional depth p : 0.024355, Error on p : 0.000787
9. Planet radius/ star radius: 0.156059
10. Planet radius / Star radius: 0.156059, Error on planet radius / star radius: 0.002522