```
from astropy import units as u
from astropy import constants as const
from matplottib import pyplot as plt
import numpy as np
import matplottib as mpl

# Planet properties
Mp = 0.6 * const.M_jup
Rp = 1.3 * const.M_jup
Rp = 1.3 * const.M_jup
Rp = 1.3 * const.M_jup
Rp = 1.1 * const.M_sun
Rs = 1.1 *
```



