

Triton Watch Prelab Exercise

1. What do astronomers mean by "color"?
2. For a red object, which filter would work best? How would the same object look in the U filter compared to the I filter?
3. Which is brighter, a 1st magnitude star or a 3rd magnitude star?
4. What is the significance of observing a change in the color of Triton?
5. Calculate the maximum angular separation at opposition between Neptune and Triton. Give your results in arcseconds. Remember there is 206,265 arcsecond/radian.