

Name: Penelope Crawford

You observe your star over the course of a few years, making the following observations:

Date	Observations
January 16, 2018	Star observed with no telescope filter. Observed to have a magnitude of 3.19.
January 16, 2019	Star observed to be in relatively the same place as a year ago. Observations made with no telescope filter. Observed to have a magnitude of roughly the same as a year ago.
July 16, 2019	Star observed to move 0.097" across the sky, relative to its position in January. Observations made with a B filter in place. Star observed to have a magnitude of 3.0.
January 16, 2020	Star observed to be back in the same location as a year ago. Observations made with a V filter in place. Star observed to have a magnitude of 2.98.