



Use this star chart to find the variable Algol and the comparison stars. The circle indicates a 15-degree field for use in digital photography. (The original chart is available under Creative Commons By Attribution, courtesy of the International Astronomical Union and Sky & Telescope. This document is available under the same licence, attribute also to "Astronomical Society of Edinburgh".)

For naked eye observation, the comparison stars and their brightnesses are:

- α Persei 1.8
- ζ Persei 2.8
- ο Persei 3.8

For digital photography, between one and six comparison stars can be used. Their colours B–V may also be used. These stars are

star	V	err	B–V	err
β Persei	var		-0.050	0.001
α Persei	1.795	0.010	+0.481	0.004
ν Persei	3.777	0.023	+0.425	0.005
ι Persei	4.049	0.007	+0.595	0.007
ω Persei	4.612	0.022	+1.115	0.006
π Persei	4.696	0.005	+0.061	0.009
κ Persei	3.803	0.011	+0.980	0.002

(Data from J.C. Mermilliod 1991, *Catalogue of homogeneous means in the UBV System*, Institut d'Astronomie, Université de Lausanne.)