# How Are Stars Like People?

Filled Graphs

This document contains the following handouts:
- A color-magnitude diagram showing 57 stars in the Pleiades
- A color-magnitude diagram showing 2,420 stars in M3
- A color-magnitude diagram showing only "extra" stars in M3 (1,220 stars that are **not** included on the twelve data sheets handed out to the students; this is useful for overlaying on the transparencies that the students make in order to help "fill in the gaps")
- A color-magnitude diagram showing 57 stars in the Pleiades, with non-technical graph labels (this is an alternative to the 1st handout for classrooms that aren't plotting stars on their own and want to avoid the astronomy jargon)
- A color-magnitude diagram showing 2,420 stars in M3, with non-technical graph labels (this is an alternative to the 2nd handout for classrooms that aren't plotting stars on their own and want to avoid the astronomy jargon)

The data used to make the Pleiades plots in this handout were taken from an activity on the website of the Australia Telescope Outreach and Education program (http://outreach.atnf.csiro.au/education/senior/astrophysics/stellarevolution_pleiadesact.html), copyright © 2004 CSIRO Australia. The data used to make the M3 plots in this handout were taken from a catalog published by F.R. Ferraro, et al. (1997), *Astronomy and Astrophysics*, Vol. 320, p. 757 and are reprinted here with permission of the author.
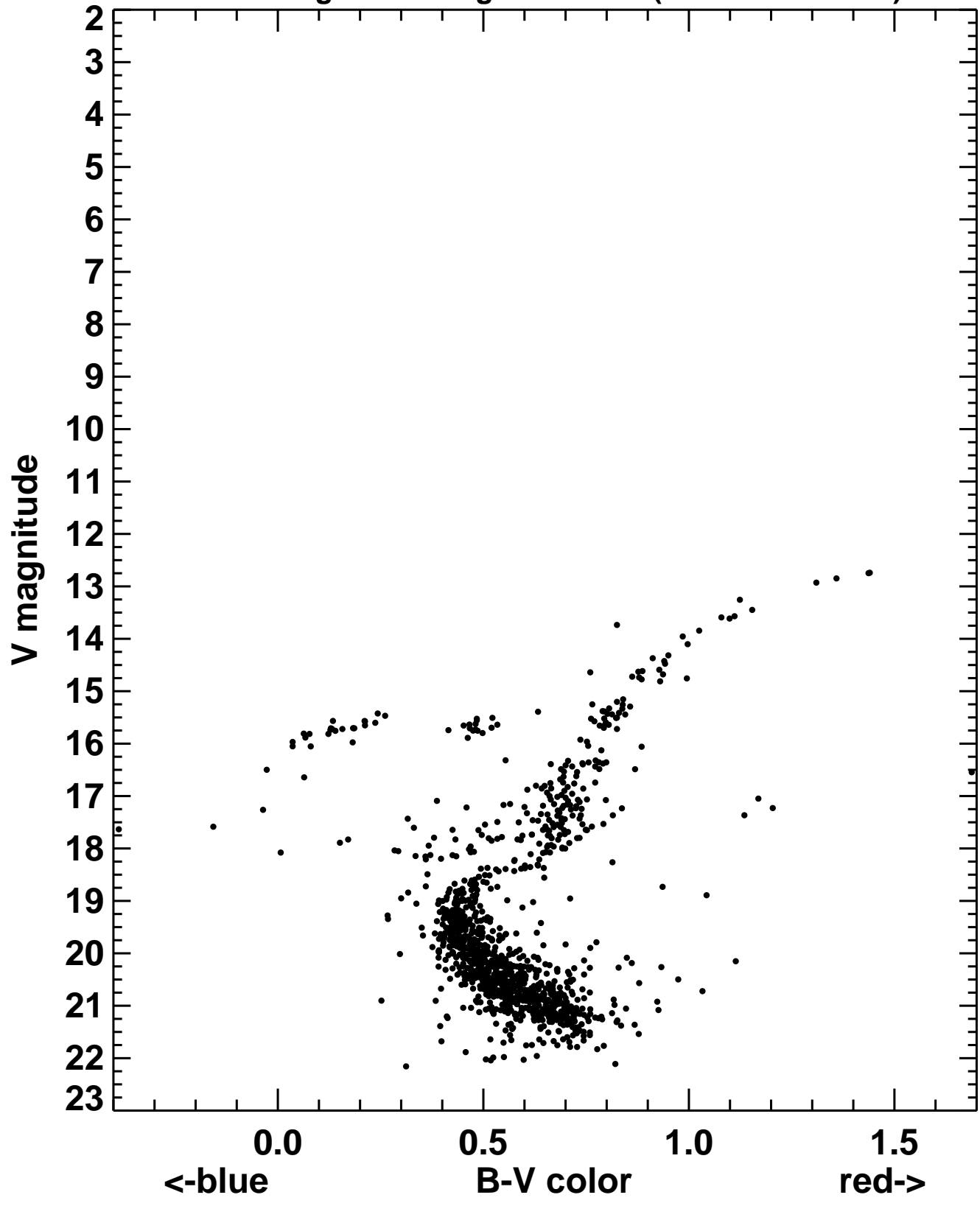
Color-Magnitude Diagram for the Pleiades (Open Cluster)
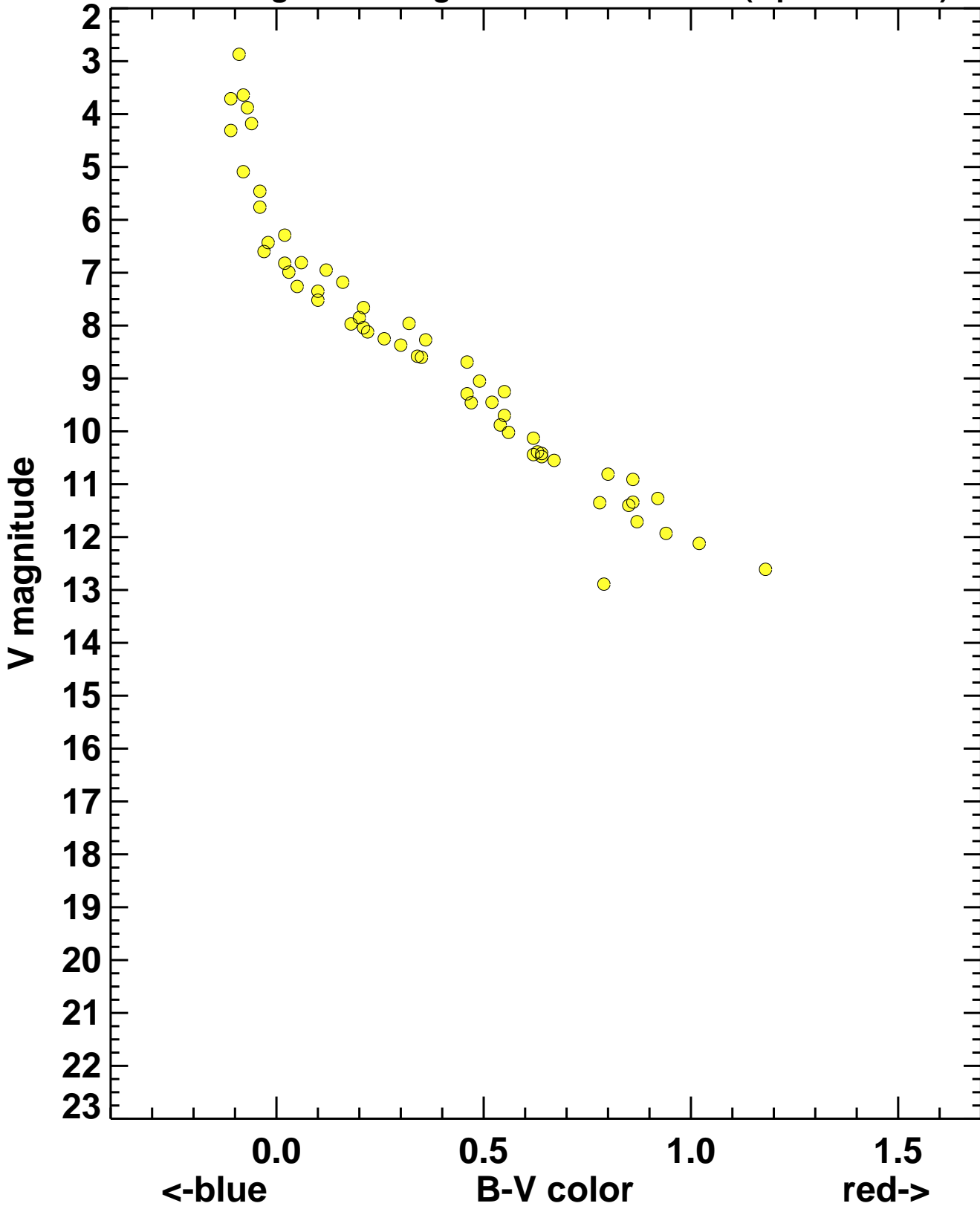
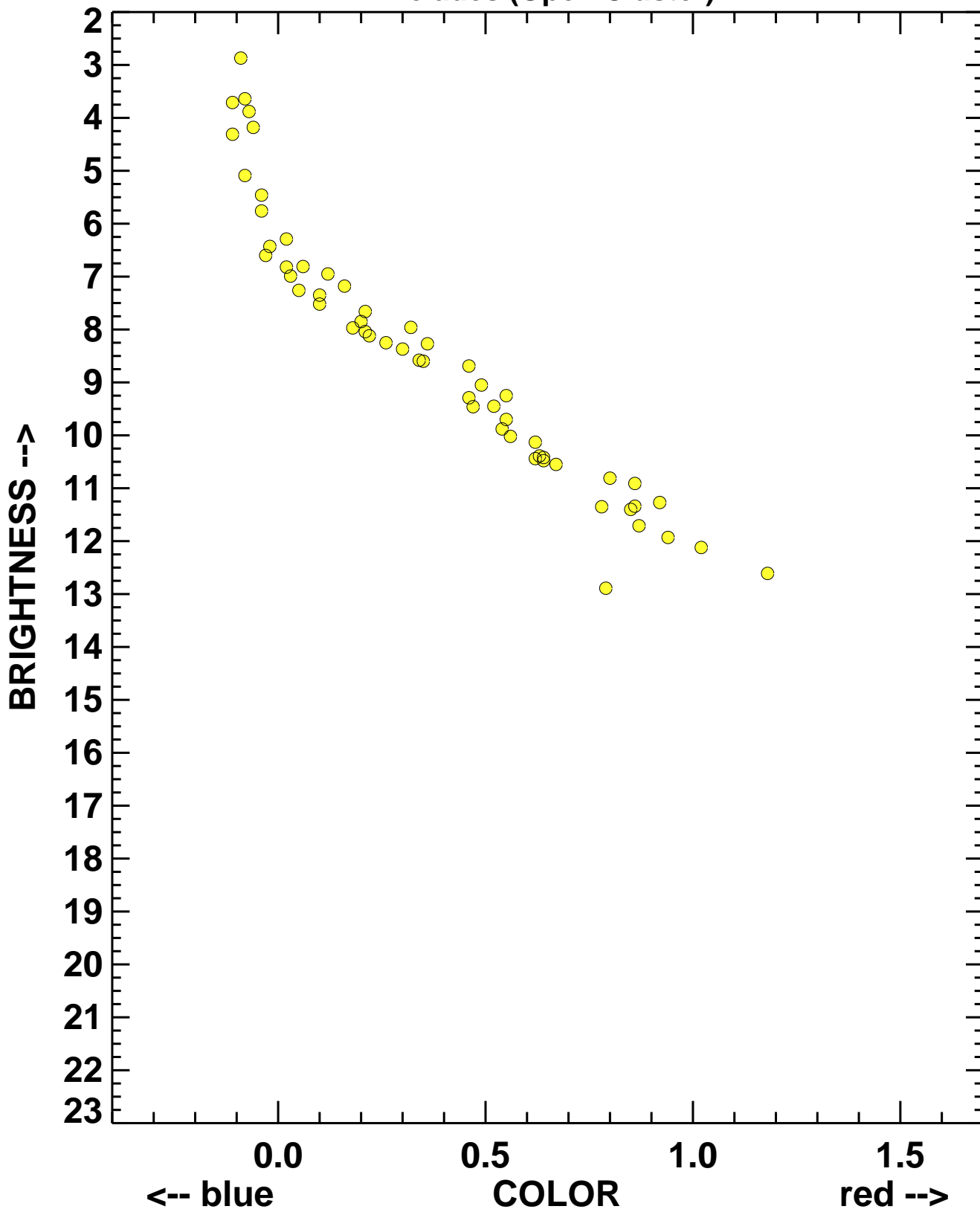Color-Magnitude Diagram for M3 (Globular Cluster)

Color-Magnitude Diagram for M3 (Globular Cluster)

V magnitude

<-blue   B-V color   red->
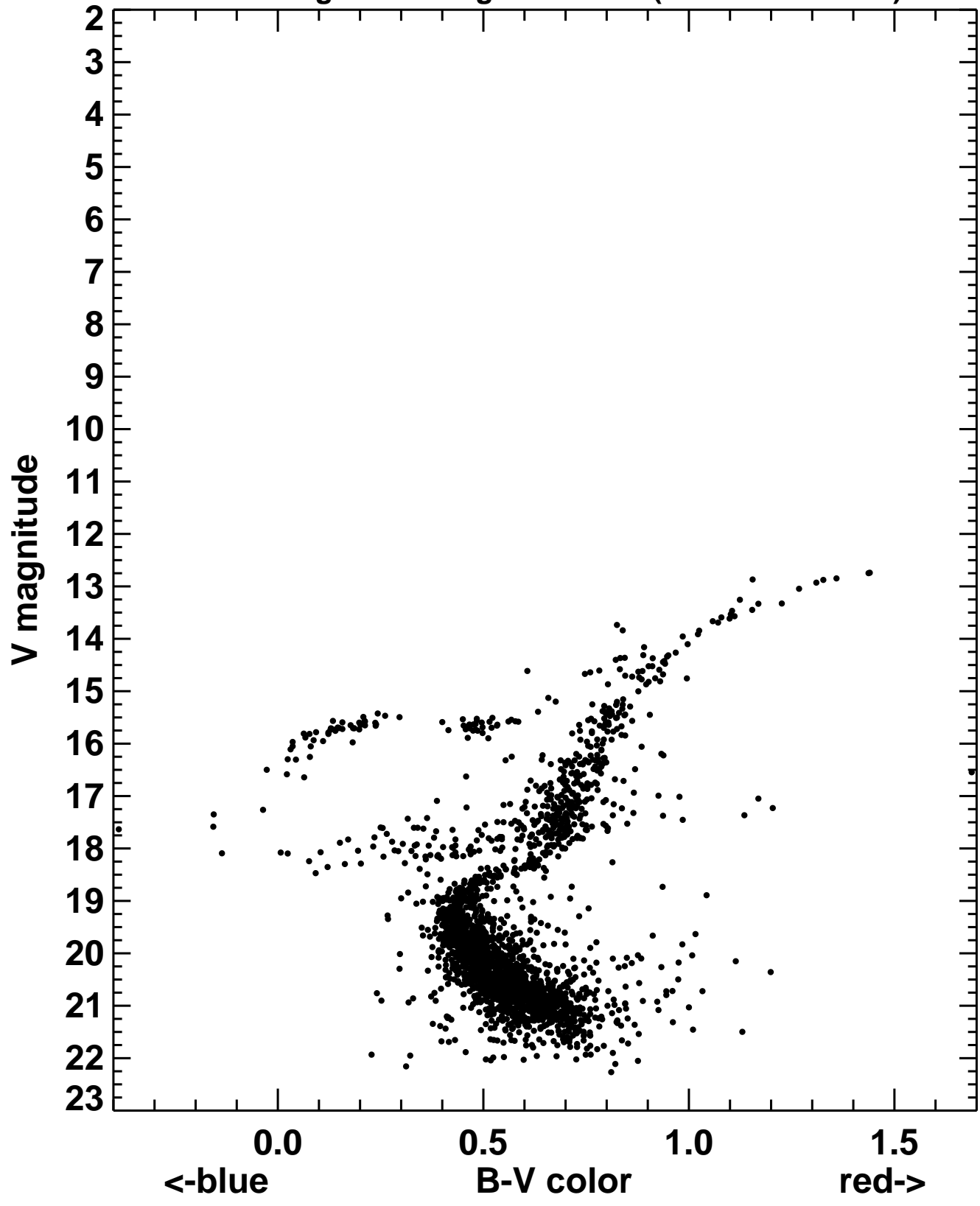
Pleiades (Open Cluster)

M3 (Globular Cluster)