



University of Arizona
Imaging Technology Laboratory
325 S. Euclid Blvd., Suite 117
Tucson, AZ 85721-0330

Telephone: (520) 621-4236
ITL FAX: (520) 628-2859
ITL Office: (520) 628-2078
mlessner@as.arizona.edu

PEPSI #4 Guider Shipping Report

This report is for PEPSI guider #4, consisting of Magellan/ITL controller 39, guider dewar 27, and dewar cable 11.

1. This system has a lenslet array bonded to the CCD surface.
2. The CCD is an E2V type CCD57-10-0-127, ITL serial number 5312, E2V serial number 02101-06-05.
3. The readout noise is measured by photon transfer curve as 12.8 electrons at a gain of 1.77 e/DN at a full frame readout time of approximately 1 second.
4. Full well occurs at about 53,000 DN, corresponding to just over 111 kiloelectrons.
5. Dark current is about 0.50 electrons/pixel/second at normal operating temperature.