

More 256x256 Camera Notes
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Liquid Nitrogen Handling

- 1) The camera will need to be filled with liquid nitrogen every 24 hours using the storage dewar at 90-inch. When transferring LN₂, be sure that the flexible metal pipe is inserted as far as possible into the 256x256 dewar.
- 2) Never leave the camera when filling with nitrogen. A fill should take less than 10 minutes.
- 3) The dewar is full when liquid runs out of the top.

Thunderstorm Pre-cautions

If there is lightning nearby (sound comes less than 5 seconds after the lightening flash), please unplug all of the 256x256 electronics. When powering up again later, you may need to push the reset button on the small white power strip on the platform that the camera plugs into.

FITS Format Files

The data are transferred to the Sun at the 90-inch in a PC format. To convert to fits, get the program 256fit.c from <http://ircamera.as.arizona.edu/~marcia> . Compile on the Sun using gcc 256fit.c -o 256fit Make a list of the files you want to convert and then run256fit:

% 256fit 90-inch filelist

Note that there is bug in the date handling so the year will appear in the header as "101" instead of "01".