

MAR CCD Usage Request Form

Name (list all users)*:

Beamline:

Experiment Title:

Experiment Period: From To

Period of using MAR CCD: From To

Description of experiments: (Please explain why MAR CCD is needed.)

Approved by :

1. Prof. Ben Chu: _____ Date: _____

2. Prof. Ben Hsiao _____ Date: _____

Both signatures are required, unless one is away and then the other party should be informed by the applicant.

**: All applicants please read and sign the next page.*

Precautions for the usage of MarCCD:

- 1). Users should submit an application before planning to use the CCD camera. Professor Chu and Professor Hsiao will justify and approve the application.
- 2). The first time user should be teamed with other experienced user or ask the beam line scientist for assistance.
- 3). The installation and shipment of the CCD camera should be under the supervision of the beam line scientist.
- 4). During the installation and shipment, keep the front protective cover on until the very last. Save the screw by putting them back to the original threaded holes. Remember that the beryllium window is not only very fragile but also may very harmful to your health if you touch it.
- 5). Never exposure the CCD camera to the main beam. The phosphorus screen will be permanently damaged if the main beam hit the camera.
- 6). Check the temperature of the camera constantly. The CCD temperature for normal operation should be around $-70\text{ }^{\circ}\text{C}$.
- 7). Check if the CCD operates normally with the beam line scientist before and after your experiment. Report any problems immediately.
- 8). Experimenters, who use CCD for SAXS and imaging plate for WAXD, are not allowed to move the WAXD imaging plate holder by themselves.
- 9). Experimenters are not allowed to move the CCD during their experiment.
- 10). Anyone ignores the precaution and behaves carelessly will be permanently prohibited to use the CCD.

Print Name :

Sign Name :

Date :
