

# Changes to Phoebus Screens for NPS

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A set of Phoebus screens was made to monitor temperatures, and in some areas relative humidity and dew point, in the NPS and its surrounding area and a set of screens were made to control. The screens used array widgets, with one process variable for the array, since the LabVIEW program sending values also used arrays.

It was discovered that the arrays would not work with the alarm server, as each alarm signal needs its own process variable. Therefore, the Phoebus screens were remade using individual “set widgets” and “read widgets”, each assigned its own process variable. When remade, the monitoring screen and the control screen for each area were combined into one screen, reducing the number of screens by half. The menu screen was revised due to the reduced number of screens and the file name changes.

Seven screens were remade and one revised. Figure 1 shows a screenshot of the new screen for the back crystal zone, with both monitoring and control.

- **All NPS screens have been remade**
- **Monitoring and control are now on one screen**
- **Menu screen revised**

