

# EMI Testing

These instructions detail how to use the data viewer during EMI testing.

1. Update to get the newest EMI window config
  1. Open a terminal
  2. `cd ocigse`
  3. `git pull`
  4. Close terminal
2. On the bottom menu bar, click on `ocidataview` and select the `OCI Data Viewer` window.

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3. At the top of this window is a menu bar. Select `Setup` -> `Restore Windows`
4. Select `emi` and click OK. This will load the 'emi' window configuration and may take up to a minute to reload the cached data.
5. You can switch between the open viewers by clicking on the `ocidataview` in the menu bar and then selecting a viewer from the list.
6. The 4 main viewers you will be using are:
  - **SSM Ch Stats vs. Time - AVG** - Displays AVG counts for the whole scan per SSM channel.
  - **SSM Ch Stats vs. Time - SD** - Displays SD for the whole scan per SSM channel.
  - **Stats Per Pixel vs. Time - AVG** - Displays AVG counts for the whole scan per FPA pixel.
  - **Stats Per Pixel vs. Time - SD** - Displays SD for the whole scan per FPA pixel.

Susceptibilities are more apparent in the SD variants; below is an example of what this may look like:

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Revision #5

Created 16 June 2022 14:45:29 by Bradley Tse

Updated 21 June 2022 01:31:31 by Bradley Tse