

Viewing Callisto Spectrograms ~ Quick Start Guide

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1. Download the Java Radio Astronomy Plasma Physics group (RAPP) FITS viewer: <http://www.e-callisto.org/Software/RAPPViewer.jar>. Note: The Java Runtime Environment must be installed on the PC used to run the viewer: <https://java.com/en/download/win10.jsp>
2. Visit <http://soleil.i4ds.ch/solarradio/callistoQuicklooks/> and select the year, month and day
3. Scroll to the desired station and time. The format is INSTRUMENT_YYYYMMDD_HHMMSS_FocusCode.fit.gz. A list of stations and instruments and associated information is here: <http://soleil.i4ds.ch/solarradio/data/readme.txt>. The FocusCode identifies different instruments at a given station location
4. Click on **FITS** to download the FITS file associated with the desired station and time. Click on **Image** to view the associated spectrogram in the browser without downloading
5. Open the RAPP FITS viewer. In the **Options** menu check the first two items – Keep Color scale and Autom. Background Subtraction, and in the **Color** menu, select the last item – Standard
6. Use the FITS viewer to open the FITS file previously downloaded. The spectrogram window probably will be black. If so, drag the Slider on the far upper-right almost all the way down until the image appears. Adjust the Slider for best contrast. Leave the bottom-right Slider at its lowest position.
7. Refer to the example image below for identification of controls and indicators
8. For the many additional features of the RAPP FITS viewer, see the **Callisto Software Setup Guide**: <http://www.reeve.com/Documents/CALLISTO/CALLISTOSoftwareSetup.pdf>

