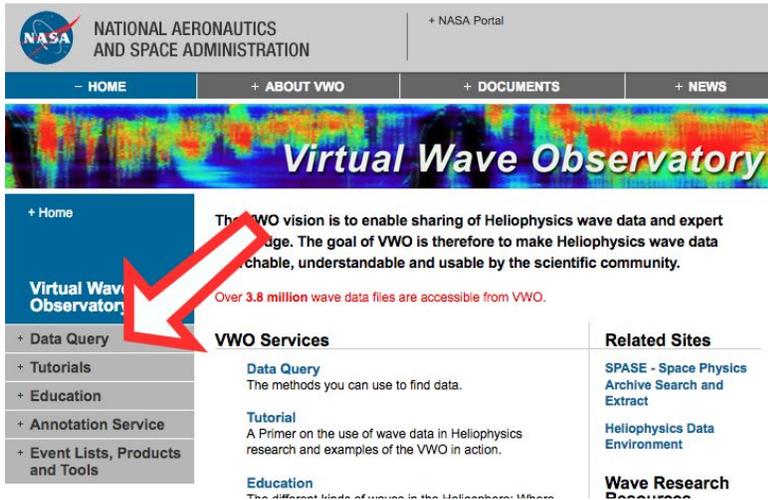


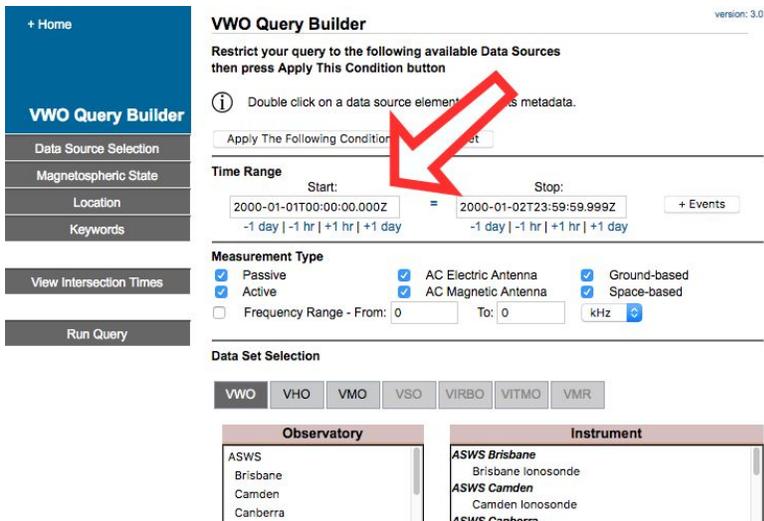
Navigating e-Callisto data with VWO

This document describes a method to access e-Callisto data sets by time range using the NASA Virtual Wave Observatory (VWO) Query Builder tool.

To begin, point a web browser to <https://vwo.nasa.gov/>



On the VWO home page click Data Query to access the Query Builder.



Start by entering a date/time combination to start the time range. The stop date/time may be entered manually or incremented by day or hour using the controls below the date/time input field.

Time Range

Start: = Stop:

-1 day | -1 hr | +1 hr | +1 day -1 day | -1 hr | +1 hr | +1 day

Measurement Type

For this example the date range is set to 2016/01/01 00:00:00Z to 2016/01/01 06:00:00Z. The options for observatories, instruments and data products in the Data Set Selections panel will activate (gray highlight) or deactivate (no highlight) based on the availability of those items for the chosen date range.

Data Set Selection

Observatory	Instrument
Macquarie Island	ASWS Niue
Mawson	ASWS Norfolk Island
Niue	ASWS Perth
Norfolk Island	ASWS Townsville
Perth	ASWS Vanimo
Townsville	ASWS Weipa
Vanimo	ASWS Willis Island
Weipa	e-Callisto
Willis Island	Network Spectrometers
e-Callisto	GIRO

Data Product
Network Spectrometers
CALLISTO Quicklook Solar Spectrogram Plots
CALLISTO Solar Spectrogram FITS files

Select e-Callisto in the Observatory pane and the associated instruments available for the date range will appear selected.

Data Set Selection

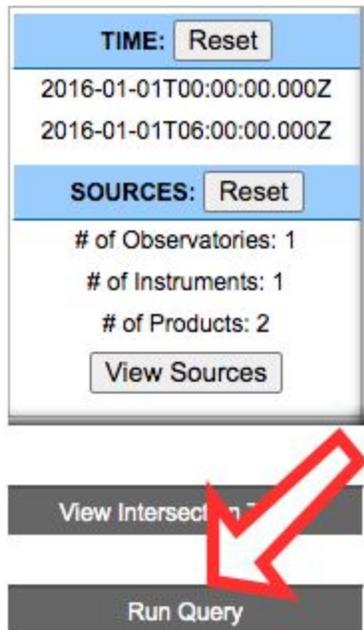
VWO	VHO	VMO	VSO	VIRBO	VITMO	VMR
Observatory	Instrument					
Macquarie Island Mawson Niue Norfolk Island Perth Townsville Vanimo Weipa Willis Island e-Callisto	ASWS Mawson ASWS Niue ASWS Norfolk Island ASWS Perth ASWS Townsville ASWS Vanimo ASWS Weipa ASWS Willis Island e-Callisto Network Spectrometers					
Data Product						
Network Spectrometers CALLISTO Quicklook Solar Spectrogram Plots CALLISTO Solar Spectrogram FITS files						

Single-click each desired entry in the Data Product pane to add that product to the query.

Data Set Selection

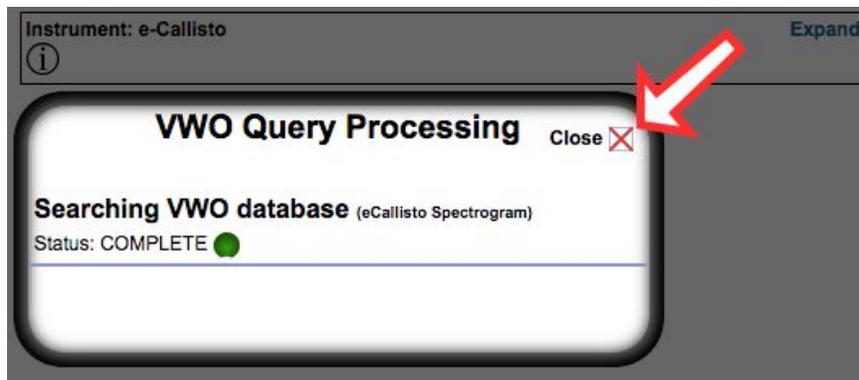
VWO	VHO	VMO	VSO	VIRBO	VITMO	VMR
Observatory	Instrument					
Macquarie Island Mawson Niue Norfolk Island Perth Townsville Vanimo Weipa Willis Island e-Callisto	ASWS Mawson ASWS Niue ASWS Norfolk Island ASWS Perth ASWS Townsville ASWS Vanimo ASWS Weipa ASWS Willis Island e-Callisto Network Spectrometers					
Data Product						
Network Spectrometers CALLISTO Quicklook Solar Spectrogram Plots CALLISTO Solar Spectrogram FITS files						
Select Active Instrument Attributes						
Apply The Above Conditions Reset						

When done, click the Apply The Above Conditions button to lock in the query elements.



The left-hand menu provides a summary count of the observatories, instruments and products selected for the query in the SOURCES panel - a quick scan of this can be a handy confirmation of user selections prior to the query request.

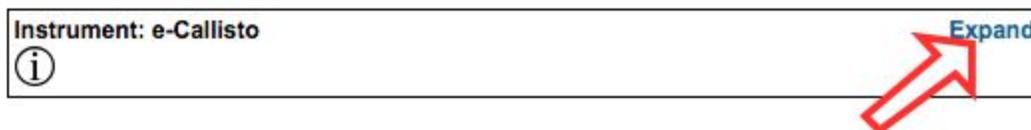
In the left-hand menu click Run Query to send the request to the VWO server.



When the request has completed the Query Processing popup will display a “COMPLETE” label - click the X in the upper right-hand corner to dismiss the popup.

VWO Query Builder

version: 3.0



Click Expand in the upper right-hand corner of an instrument’s listings to view the products and dates available for the declared time range.

VWO Query Builder

version: 3.0

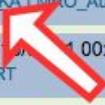
Instrument: e-Callisto Collapse

Product: CALLISTO Quicklook Solar Spectrogram Plots
(170 results)

Images: [ALASKA](#) [LMRO_Australia](#) [RCAG](#) [ROSWELL-NM](#) [SSRT](#)

Date/Time: 2016/01/01 00:00:01 Image: MEXART
Date/Time: 2016/01/01 00:00:03 Image: INDONESIA
Date/Time: 2016/01/01 00:00:05 Image: KASI
Date/Time: 2016/01/01 00:05:18 Image: BIR
Date/Time: 2016/01/01 00:15:00 Image: ACQUINT SRIALASKA LMRO_Australia RCAG ROSWELL-NM SSRT

This will open an image tab.



When the results are available they are presented as a list of available date/time values providing links to individual remote data files, which can be viewed via the web browser.

