EVE Plugin

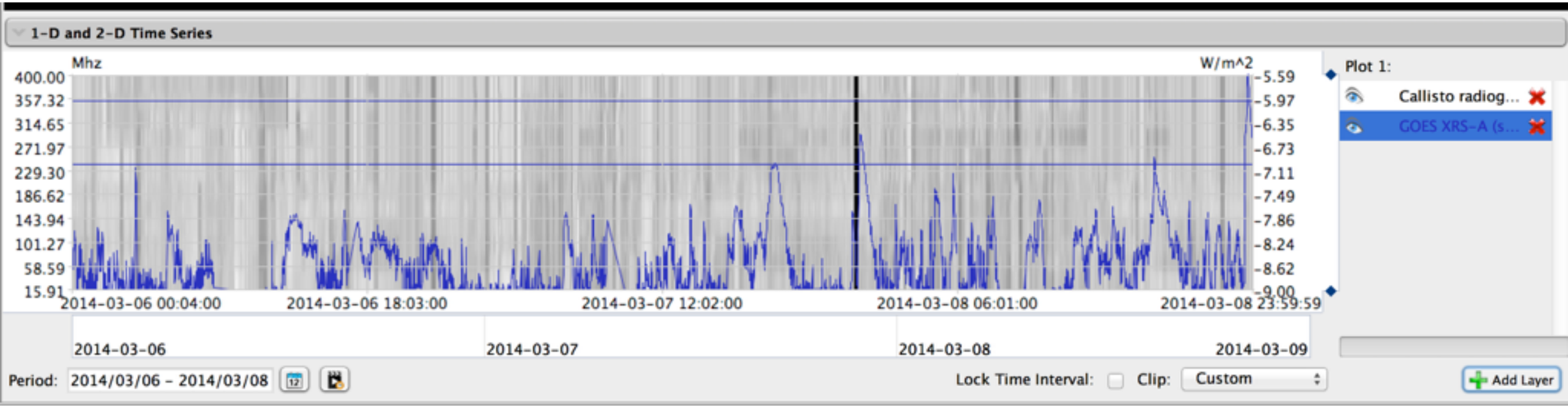
Displayer of timelines and radio spectrograms

based on the work of Stephan Pagel :

lp:~stephan-pagel/jhelioviewer/jhv-eveplugin

EVE Plugin : functionality

- Combine several timelines and radio spectrogram in one plot

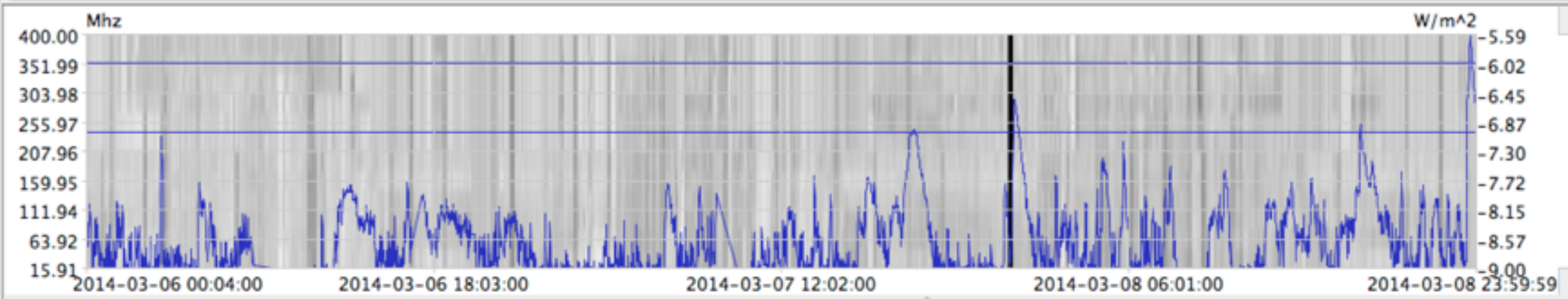

1-D and 2-D Time Series
Mhz
W/m^2
400.00
357.32
314.65
271.97
229.30
186.62
143.94
101.27
58.59
15.91
-5.59
-5.97
-6.35
-6.73
-7.11
-7.49
-7.86
-8.24
-8.62
-9.00
2014-03-06 00:04:00
2014-03-06 18:03:00
2014-03-07 12:02:00
2014-03-08 06:01:00
2014-03-08 23:59:59
2014-03-06
2014-03-07
2014-03-08
2014-03-09
Plot 1:
Callisto radiog...
GOES XRS-A (s...
Period:
2014/03/06 - 2014/03/08
Lock Time Interval:
Clip:
Custom
Add Layer

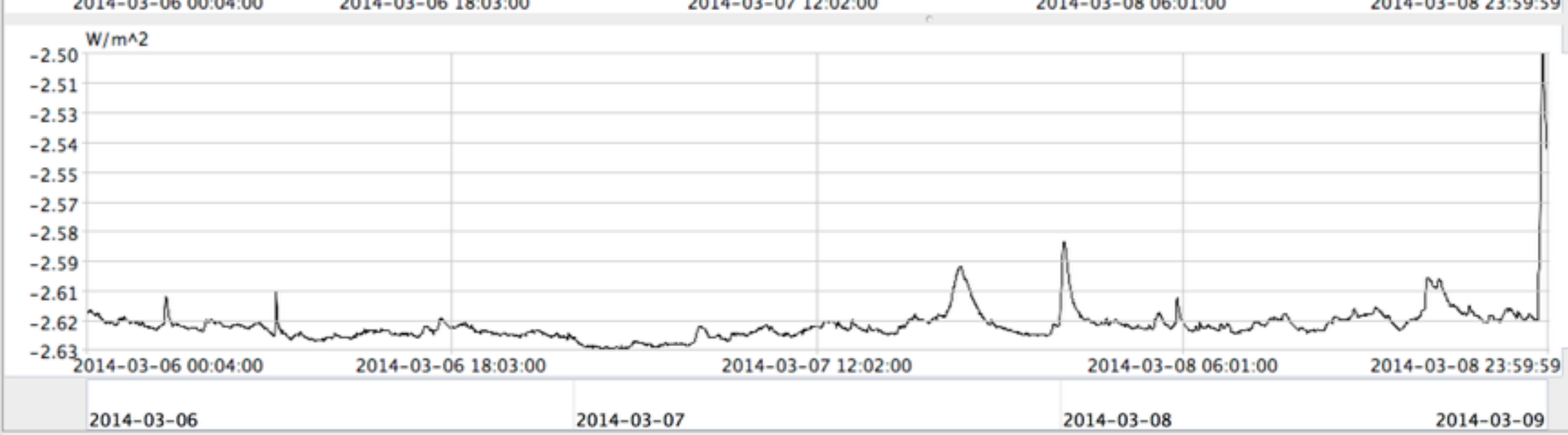
EVE Plugin : functionality

- Combine several timelines and radio spectrogram in one plot

- Use one or two plots

1-D and 2-D Time Series





Plot 1:

Callisto radiog...

GOES XRS-A (s...

Plot 2:

Lyra Aluminiu...

Period: 2014/03/06 - 2014/03/08

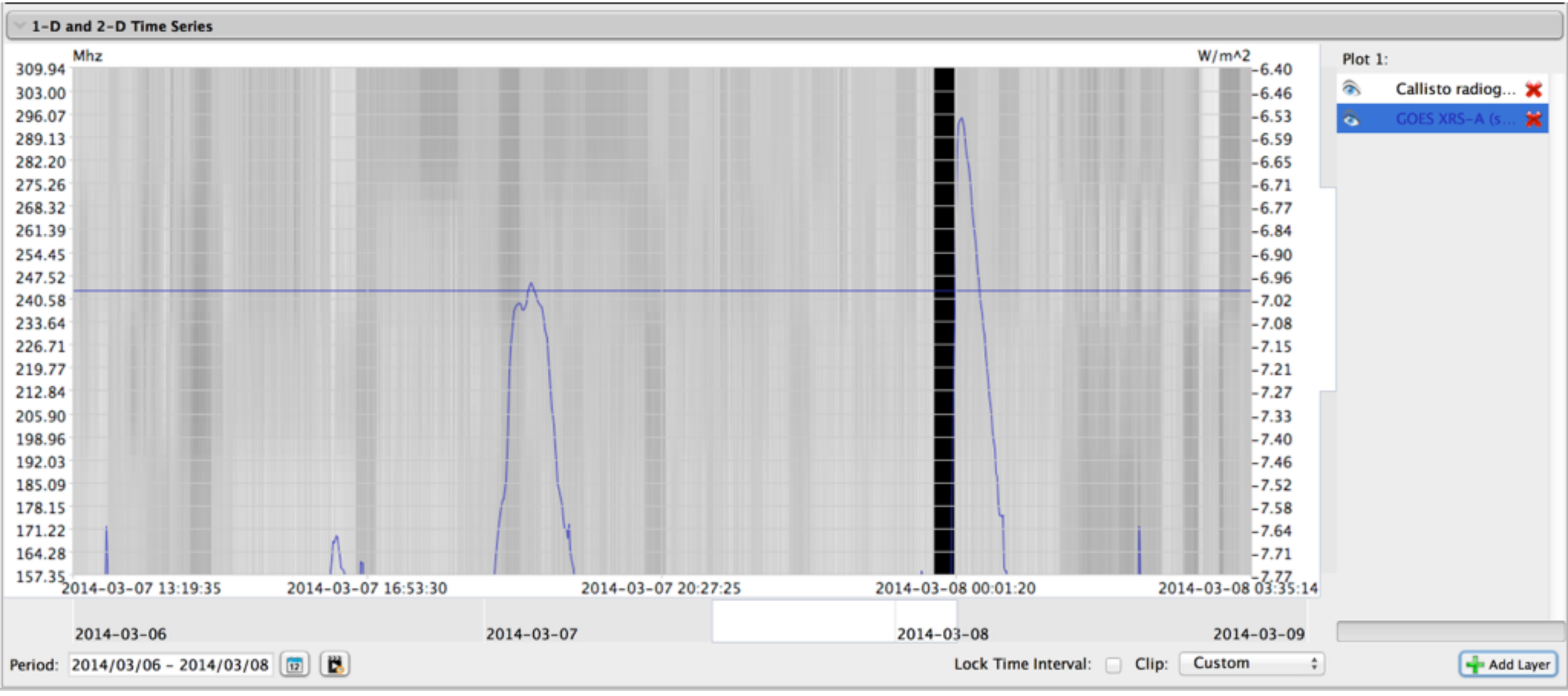
Lock Time Interval:

Clip: Custom

Add Layer

EVE Plugin : functionality

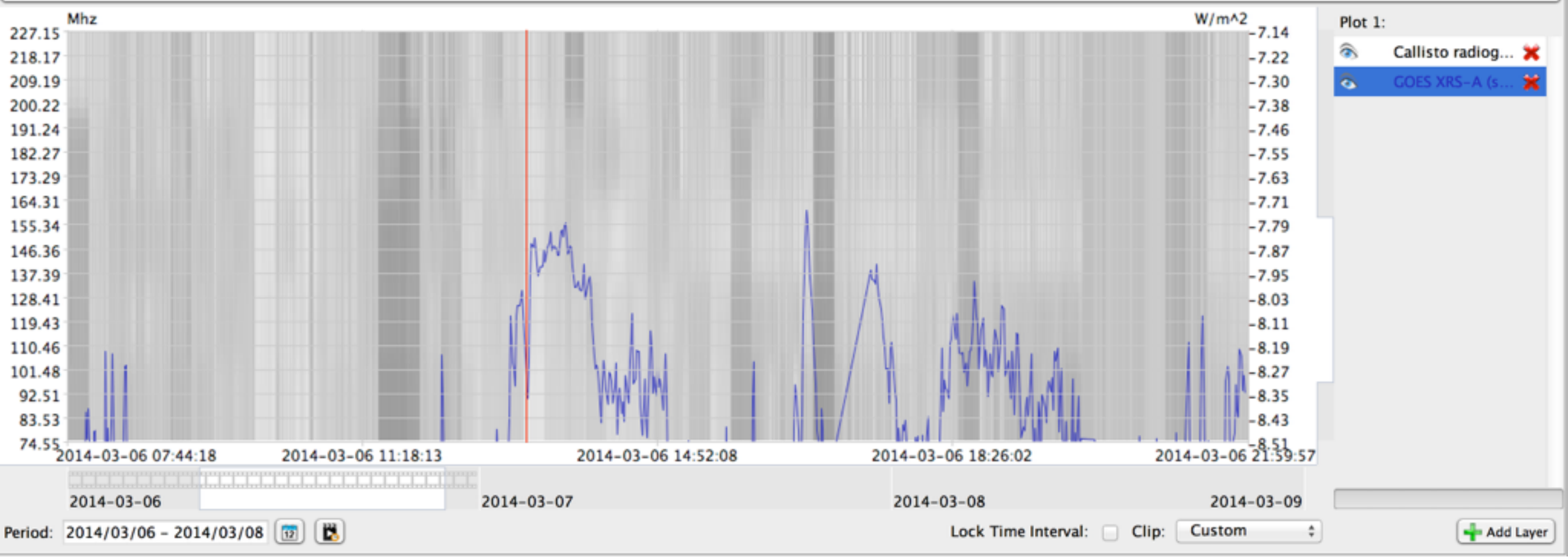
- Combine several timelines and radio spectrogram in one plot
- Use one or two plots
- Zooming in time
- Zooming in value/frequency


1-D and 2-D Time Series
Mhz
W/m^2
309.94
303.00
296.07
289.13
282.20
275.26
268.32
261.39
254.45
247.52
240.58
233.64
226.71
219.77
212.84
205.90
198.96
192.03
185.09
178.15
171.22
164.28
157.35
-6.40
-6.46
-6.53
-6.59
-6.65
-6.71
-6.77
-6.84
-6.90
-6.96
-7.02
-7.08
-7.15
-7.21
-7.27
-7.33
-7.40
-7.46
-7.52
-7.58
-7.64
-7.71
-7.77
2014-03-07 13:19:35
2014-03-07 16:53:30
2014-03-07 20:27:25
2014-03-08 00:01:20
2014-03-08 03:35:14
2014-03-06
2014-03-07
2014-03-08
2014-03-09
Plot 1:
Callisto radiog...
GOES XRS-A (s...
Period:
2014/03/06 - 2014/03/08
Lock Time Interval:
Clip:
Custom
Add Layer

EVE Plugin : functionality

- Combine several timelines and radio spectrogram in one plot
- Use one or two plots
- Zooming in time
- Zooming in value/frequency
- Movie indication

1-D and 2-D Time Series



Plot 1:

Callisto radiog...

GOES XRS-A (s...

Period: 2014/03/06 - 2014/03/08

Lock Time Interval:

Clip: Custom

Add Layer

EVE Plugin : radio spectrograms

- Callisto network
  - Collection of stations over the globe
    - Stations create fits-files over different time intervals and different frequencies
- Create one day combined image of different stations
  - → best way still under investigation

SWEK

- Space weather events HEK
- Separate plugin
- Fixed list of space weather relevant events
- Limited list of event providers
- Indication of related events
- All configurable by the user