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INTERNATIONAL SPACE WEATHER INITIATIVE

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CALLISTO status report/newsletter #61

Bright solar radio type II burst on May 5th 2016

Many Callisto stations out of the e-Callisto network have got very good observations of this strong type II burst; congratulations all of you who point their antennas to the Sun. Below just an example from the latest installation in KellyVille near Kangarlussuaq, Greenland.
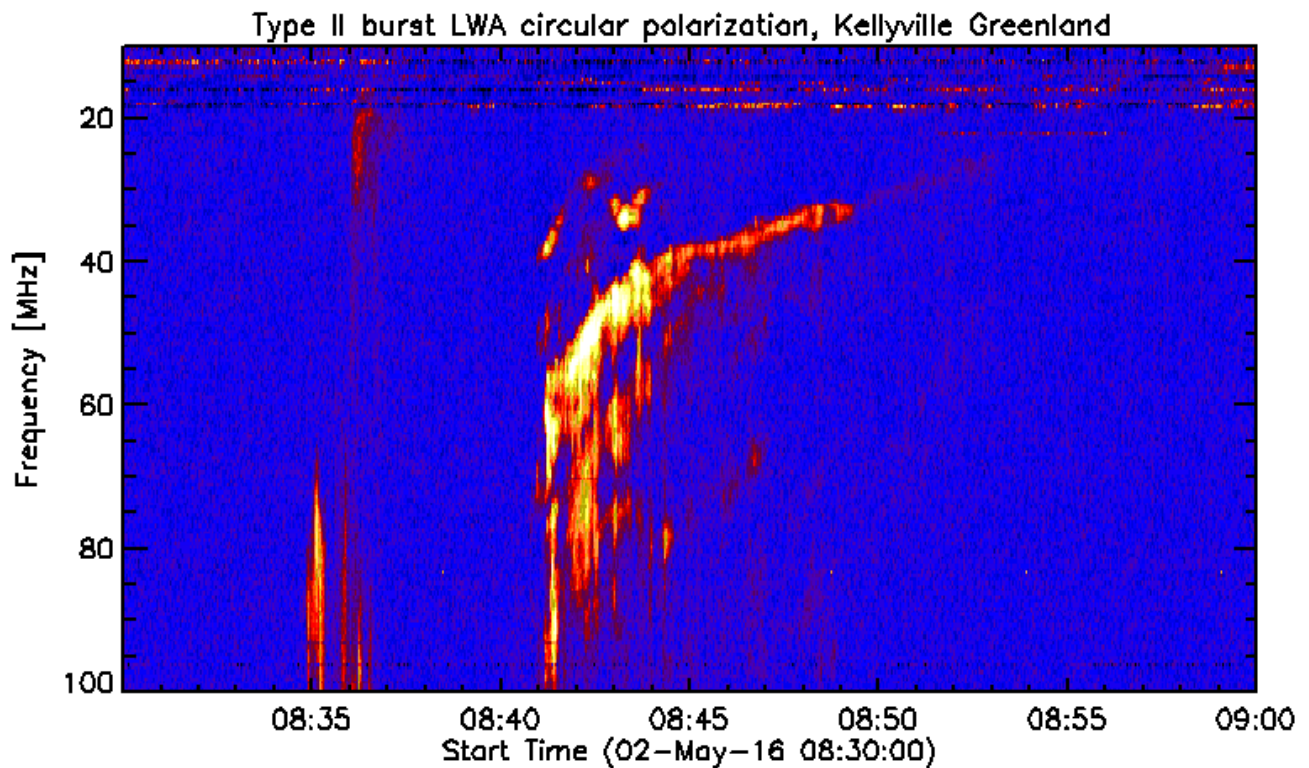

Fig. 1: Type V followed by a type II with fundamental and harmonic as well herring bone structure.

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4040 +     0832   0842     0847  G15  5   XRA  1-8A      C3.5      1.9E-03   2540
4040       0834   ////     0837  SVI  C   RSP  025-180   V/2
4040       0841   ////     0853  SVI  C   RSP  025-135   II/2      1800
```

Type III burst LWA circular polarization, Kellyville Greenland
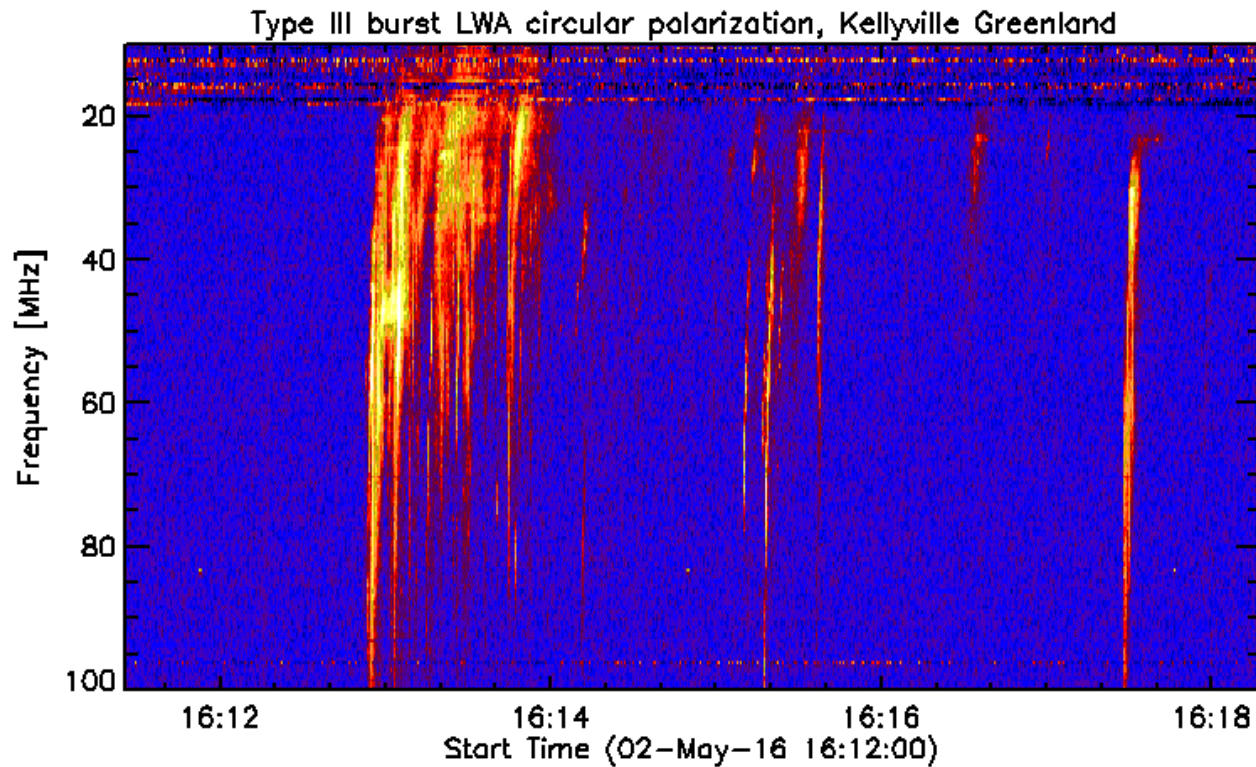
Fig. 2: Type VI solar radio burst

4070 +   1352   ////   1634 SAG   C   RSP 025-180   VI/2

AOB

- In case you plan to publish a paper based on e-Callisto data, please invite the observer and me as the PI of the network for co-authorship. This, according to the UN/ISWI resolution addressed during the last UN/Japan workshop at Fukuoka university. We are working on a document regarding data policy which will be published soon (Fung Shing NASA).

- CALLISTO or Callisto denotes to the spectrometer itself while e-Callisto denotes to the worldwide network.

- General information and data access here: http://e-callisto.org/

- e-Callisto data are hosted at Fachhochschule Nordwestschweiz (University of applied sciences FHNW) in Brugg/Windisch, Switzerland. Process control, user communication and scripts are conducted at institute for Astronomy, ETH Zurich.

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