CALLISTO status report/newsletter #80

1st light observed with Callisto at observatory P. Hirt, Muhen, Switzerland

Peter has recently installed his own LWA in village Muhen, Switzerland. After long solar silence, radio activity increased today and Peter got his 1st light, part of a type II burst which wasn't mentioned in the NOAA list yet.

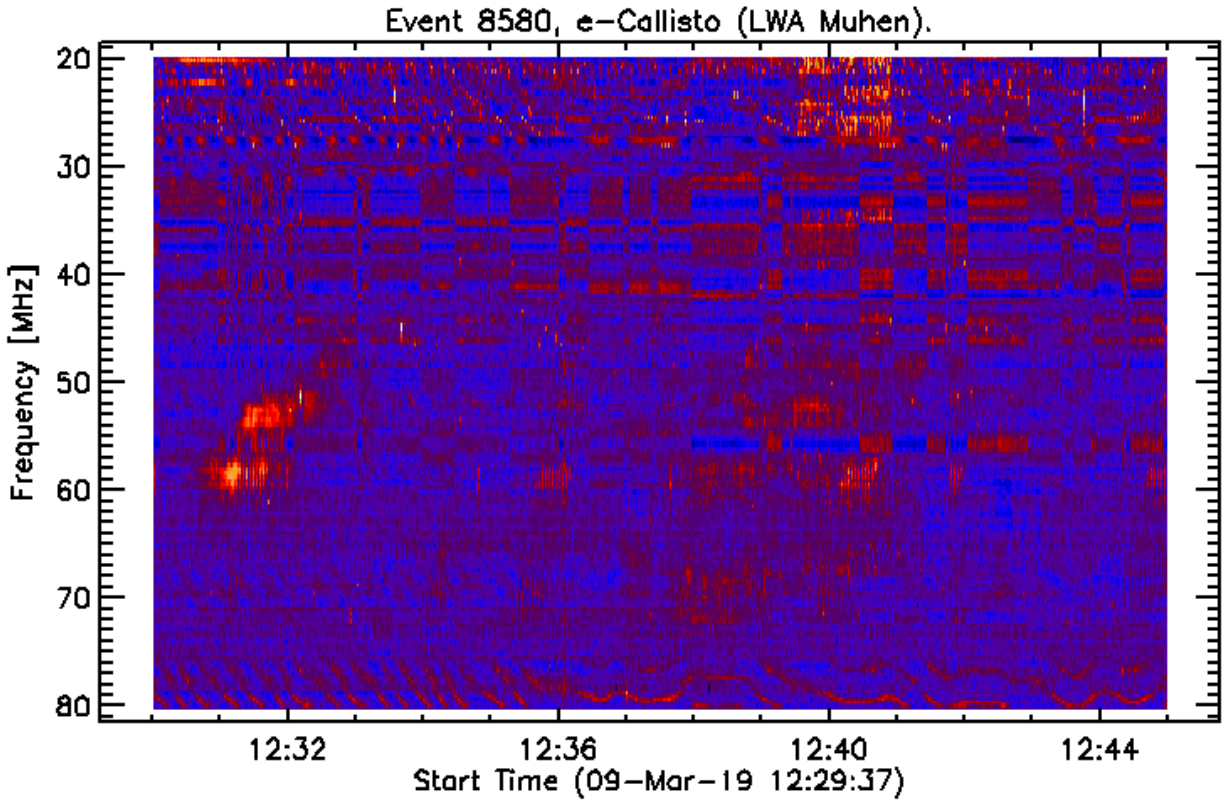

Fig. 1: 1st light, type II burst, observed by Callisto in Muhen, Switzerland with LWA.

Congratulations to this achievement!

For comparison below several observations from other, European Callisto stations.

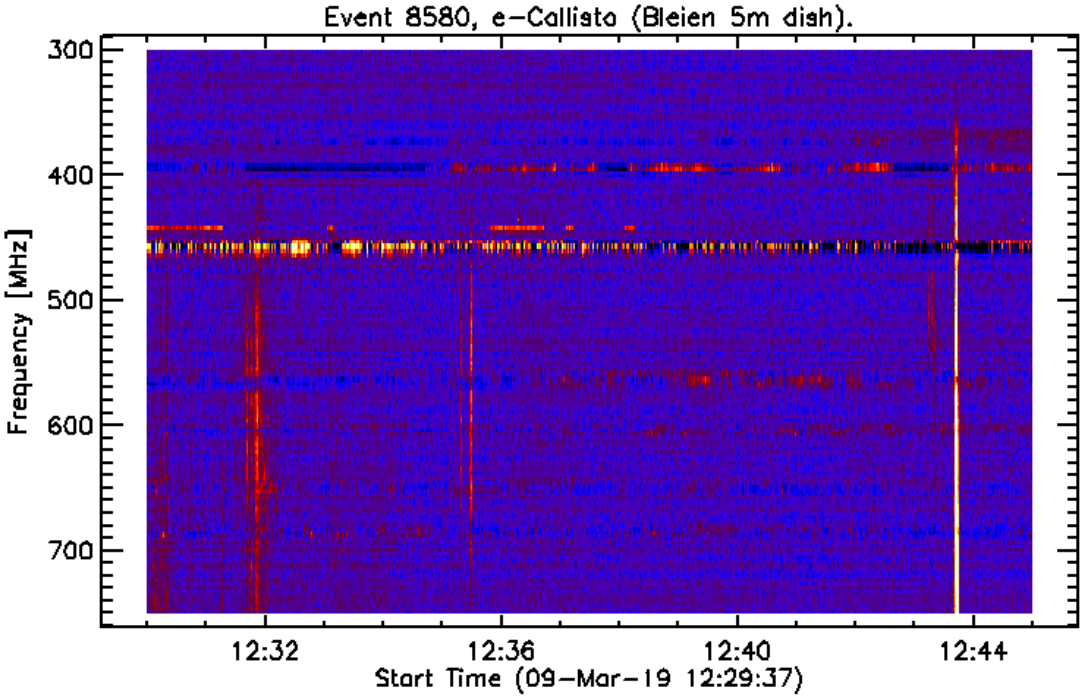

Fig. 2: Type III observed with 5m parabolic dish at Bleien observatory, Switzerland

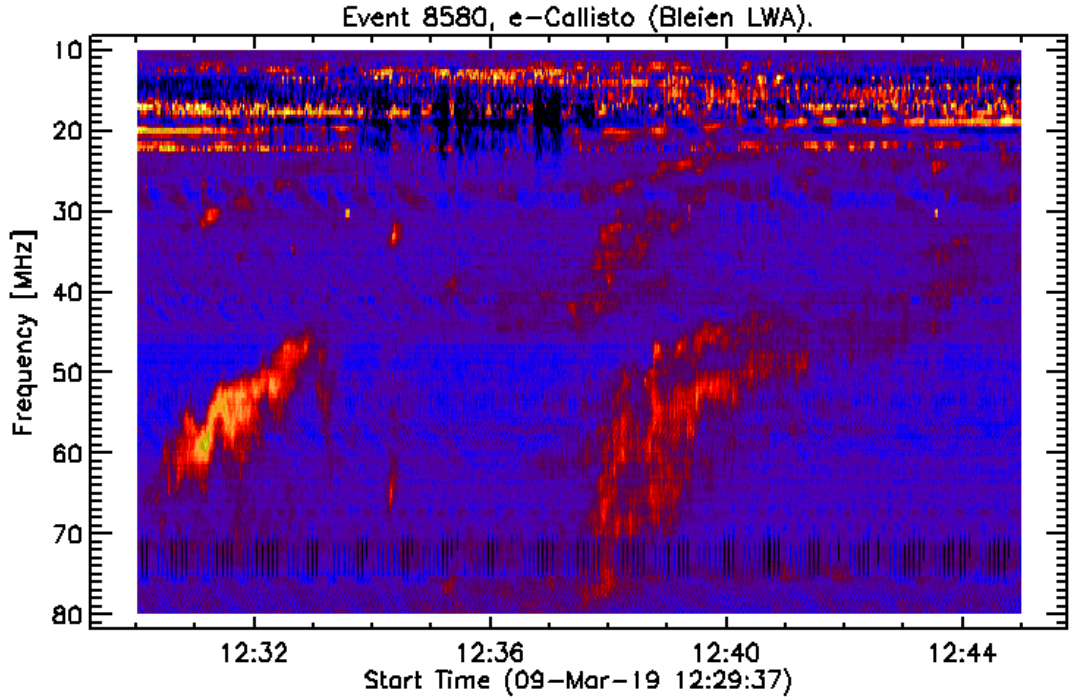

Fig.3: Type II observed with LWA at Bleien observatory, Switzerland

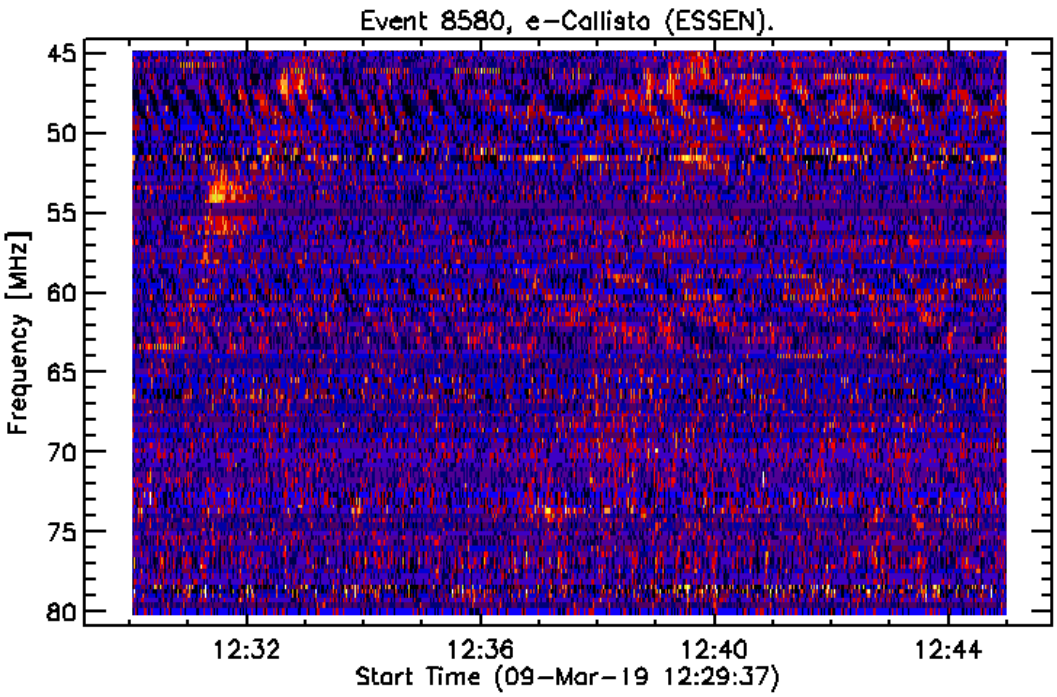

Fig. 4: Type II, observed in Essen, Germany.

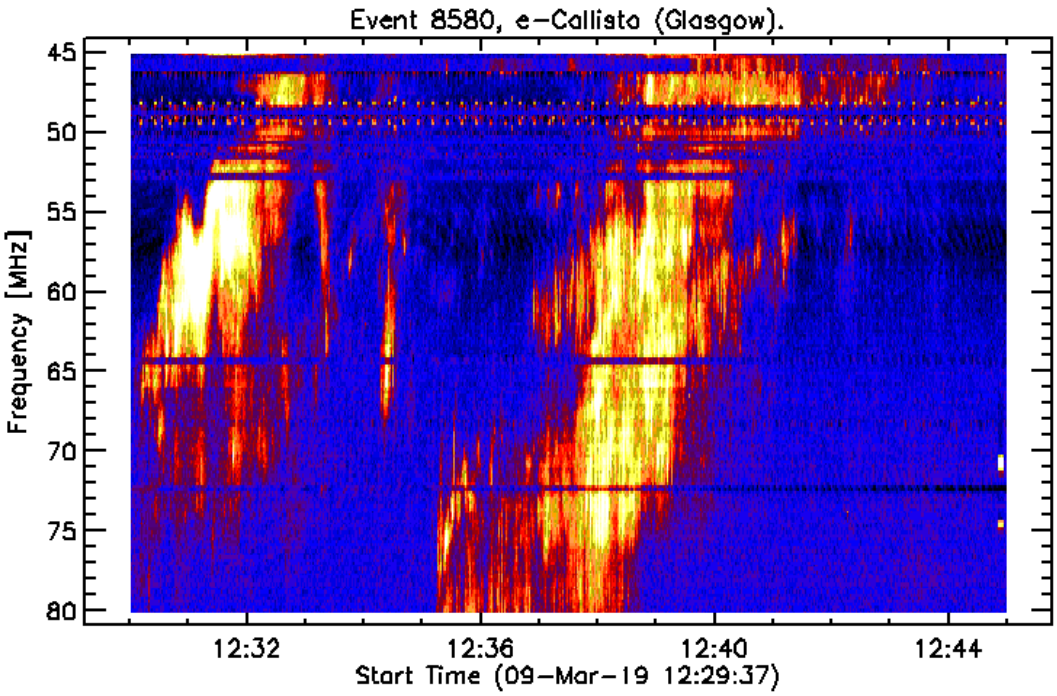

Fig.5: Type II, observed in Glasgow with LPDA and tracking system. Pointing antenna to the Sun allows best performance (data quality) all over the day.

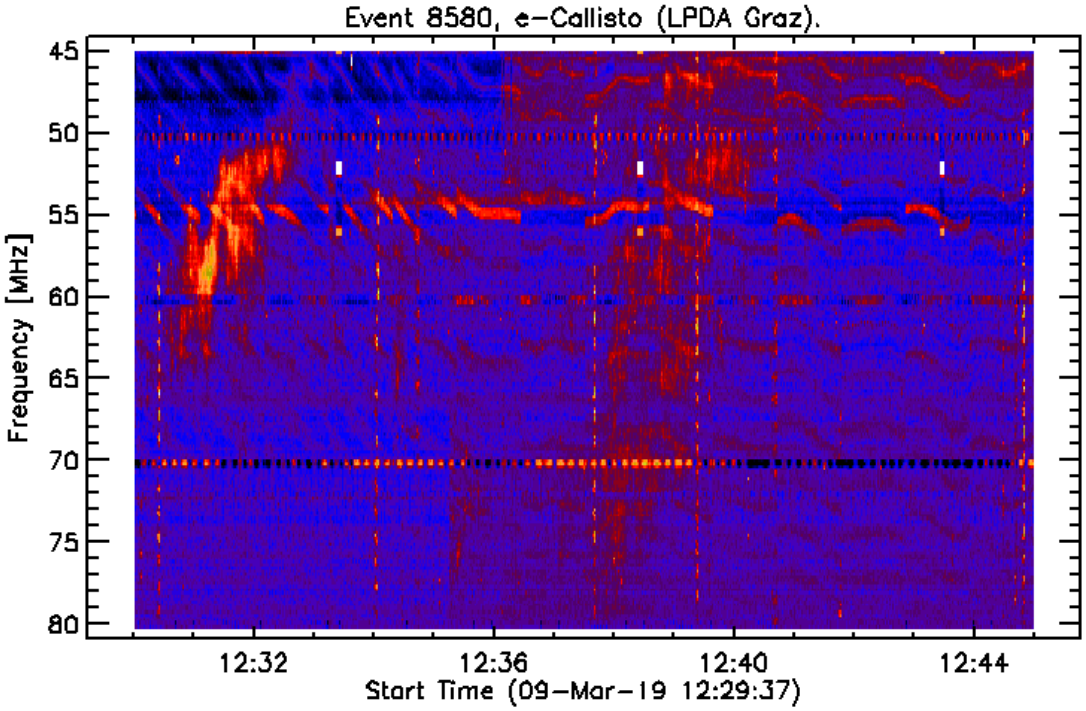

Fig. 6: Type II observed at Graz University with LPDA in fixed sky-position.

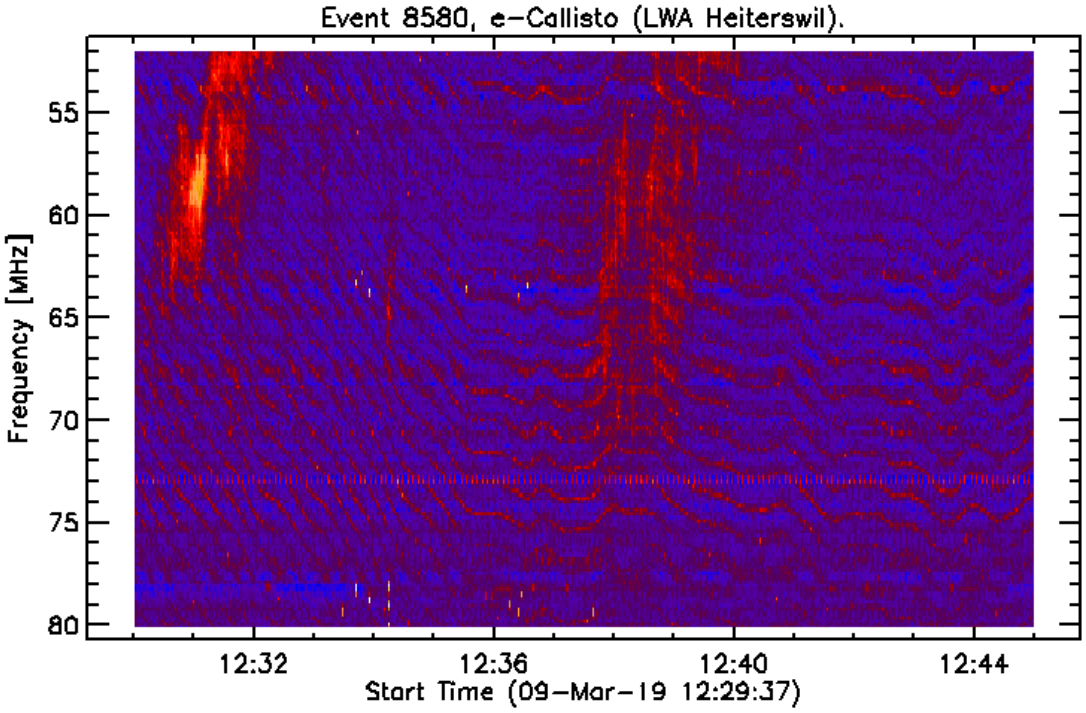

Fig. 7: Type II observed in Heiterswil, Switzerland with LWA.

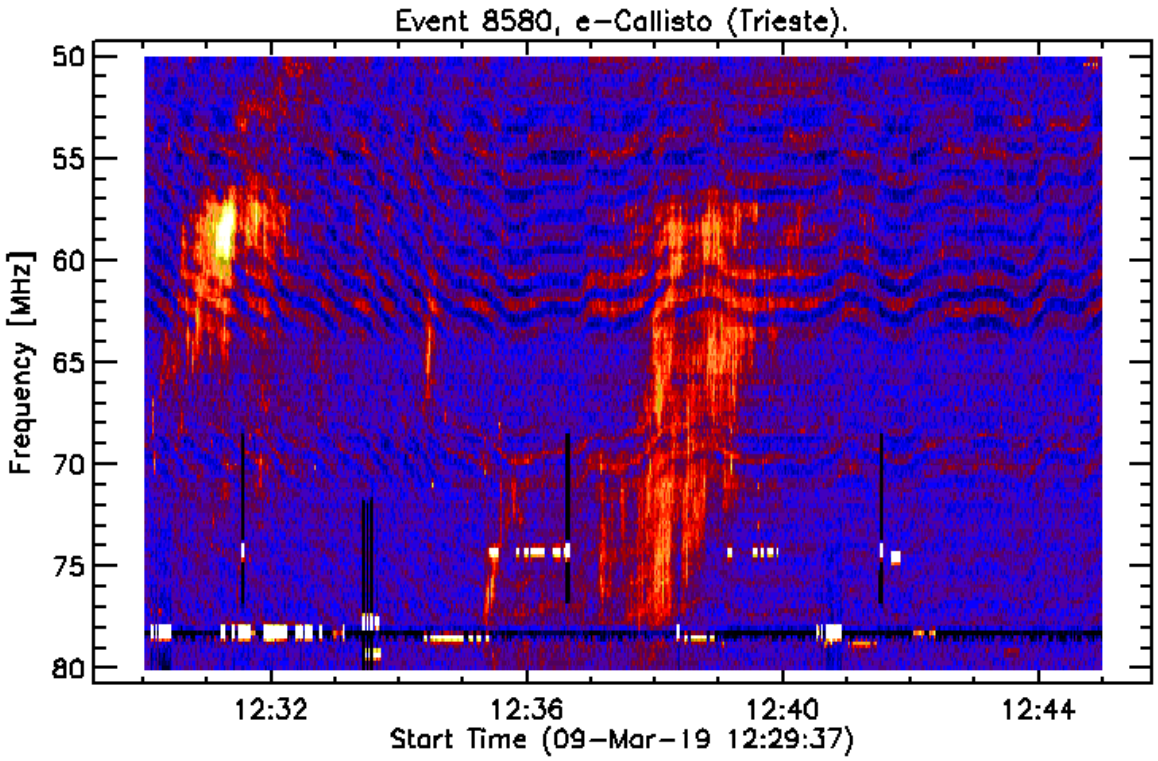

Fig. 8: Type II burst observed in Trieste

1st light observed with Callisto at SANSA in Sutherland, South Africa

J. Ward of SANSA and colleagues are operating a Callisto system in Sutherland, South Africa. Now, they got their 1st light, a small group of type III bursts.

Congratulations to this achievement!

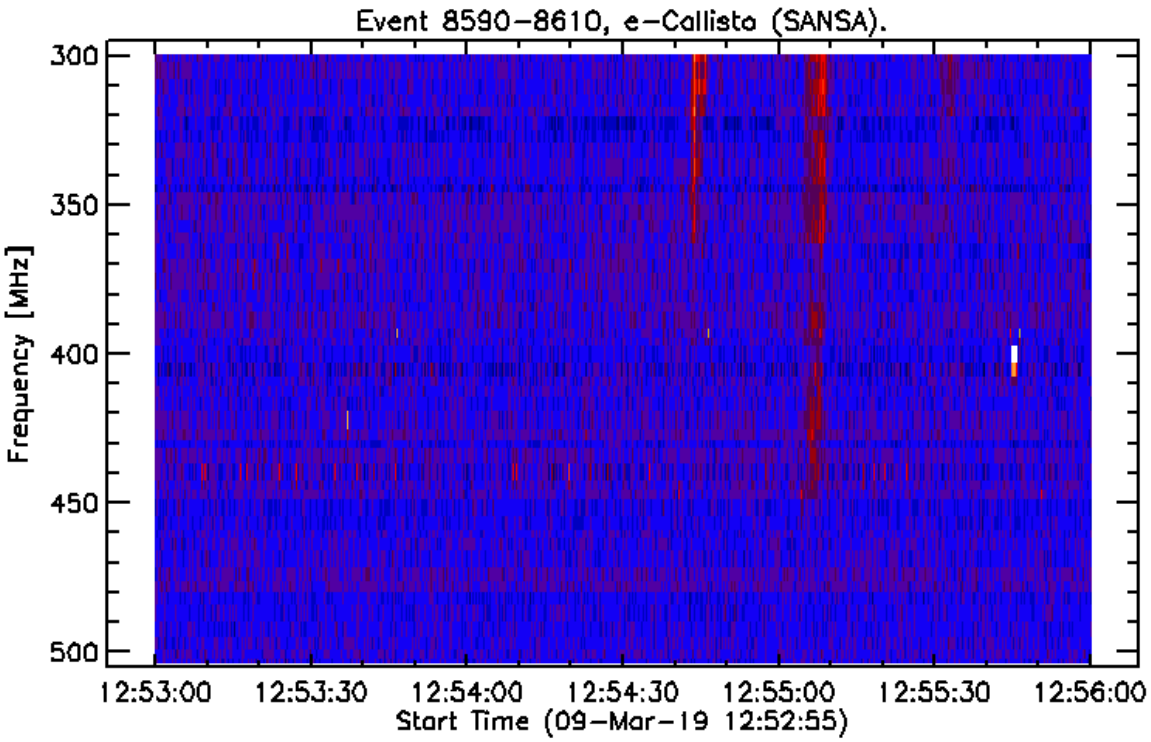

Fig. 9: Type III burst, 1st light from Callisto in South Africa.

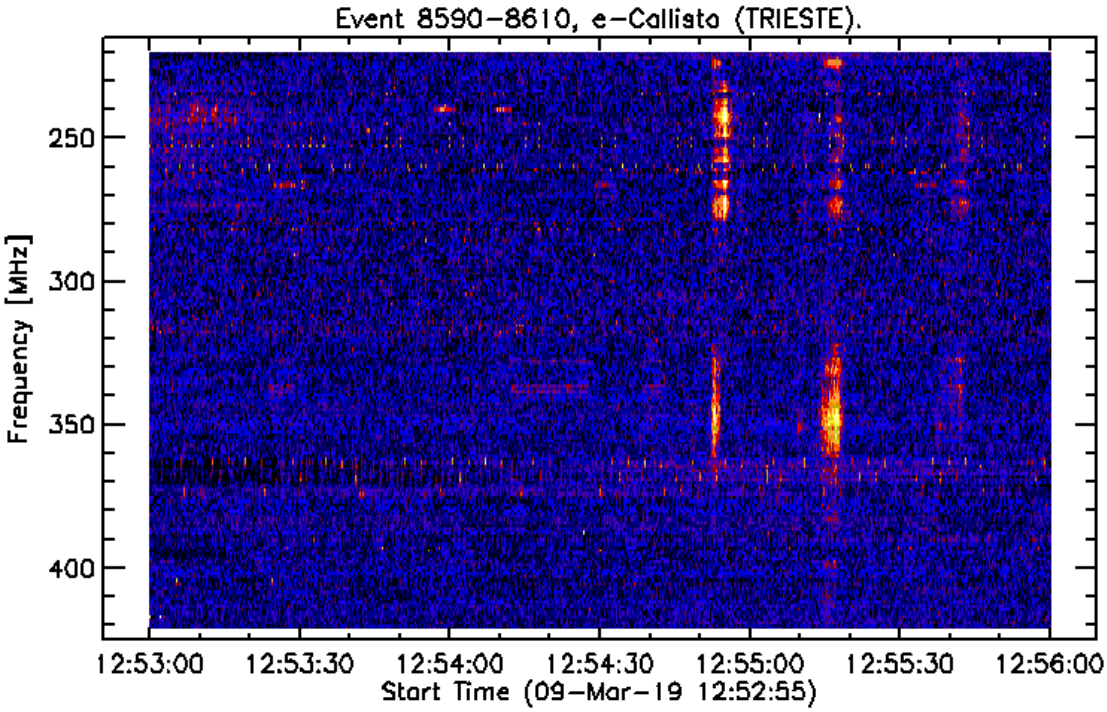

Fig. 10: The same type III burst observed in Trieste for comparison.

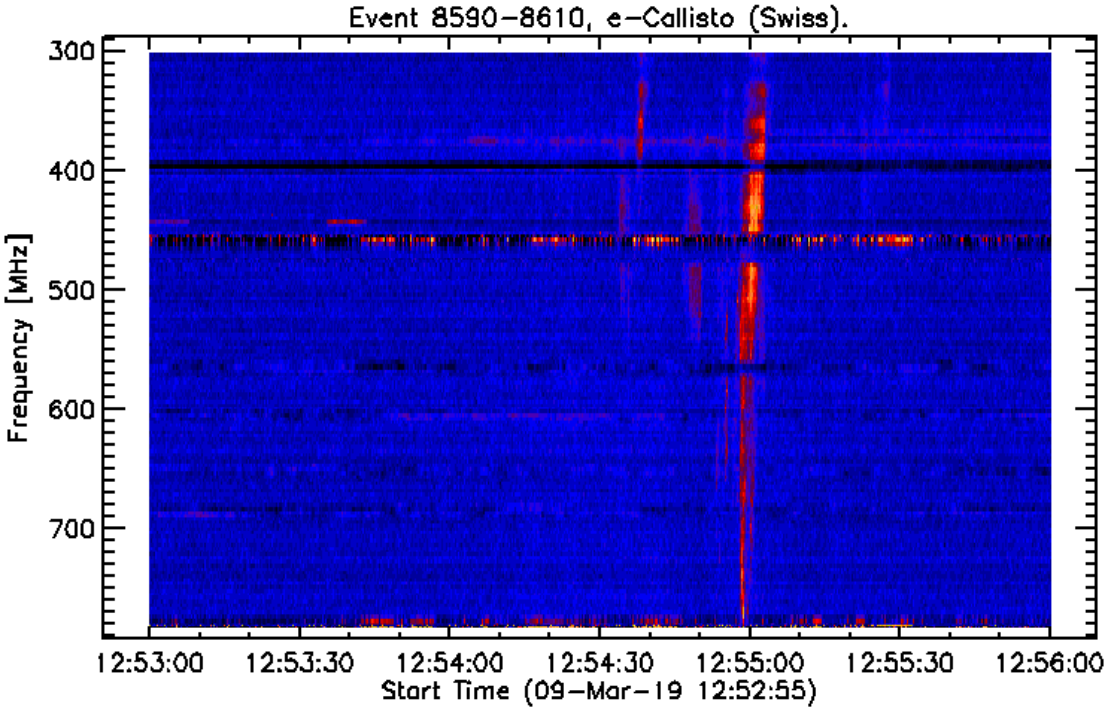

Fig. 11: The same type III observed with a 5m dish at Bleien observatory, Switzerland

AOB

- The website http://e-callisto.org/coverage/coverage.html
  presenting your station with an image of the antenna and coverage time has been updated with a link to your station. Longitude and latitude have been read out of your FIT-files. Please check your link regarding correct Google map position. In case the link points to a wrong location, you will need to edit your longitude and latitude in the Callisto configuration file 'callisto.cfg' accordingly and please send me in addition the correct values by email. In case you have a better image of your antenna, please also send me a copy to keep the website up2date. If your station is not on the website at all, please send me the information and an image.

- There are still 2 used but refurbished Callisto instruments on stock for reduced prize of US250$ plus shipping cost. For test data, see here: http://e-callisto.org/Qualification/applidocs.htm

- 2 new CALLISTO and heterodyne converter will be shipped to Arecibo, Puerto Rico

- 2 new CALLISTO have been shipped to Sri Lanka

- 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 University of Applied Sciences, Institute for Data Science FHNW in Brugg/Windisch, Switzerland. Additionally, data are hosted at ESA site here:
  SSA Space Weather Portal (http://swe.ssa.esa.int/).
  Click ESC Solar Weather, then eCallisto

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