



e-Callisto status report #38

1st time when 15 different instruments observed a type II burst at the same time:

NOAA :

3130	0835	0838	0840	G15	5	XRA	1-8A	M1.7	2.0E-03
3130	0836	////	0837	SVI	C	RSP	025-180	III/2	
3130	0839	////	0840	SVI	C	RSP	102-180	II/1	1179

Type II burst shows in most observations fundamental emission, harmonic emission with split band and herring bones structures.

Plots are presented in alphabetical order from Almaty to SWMC:

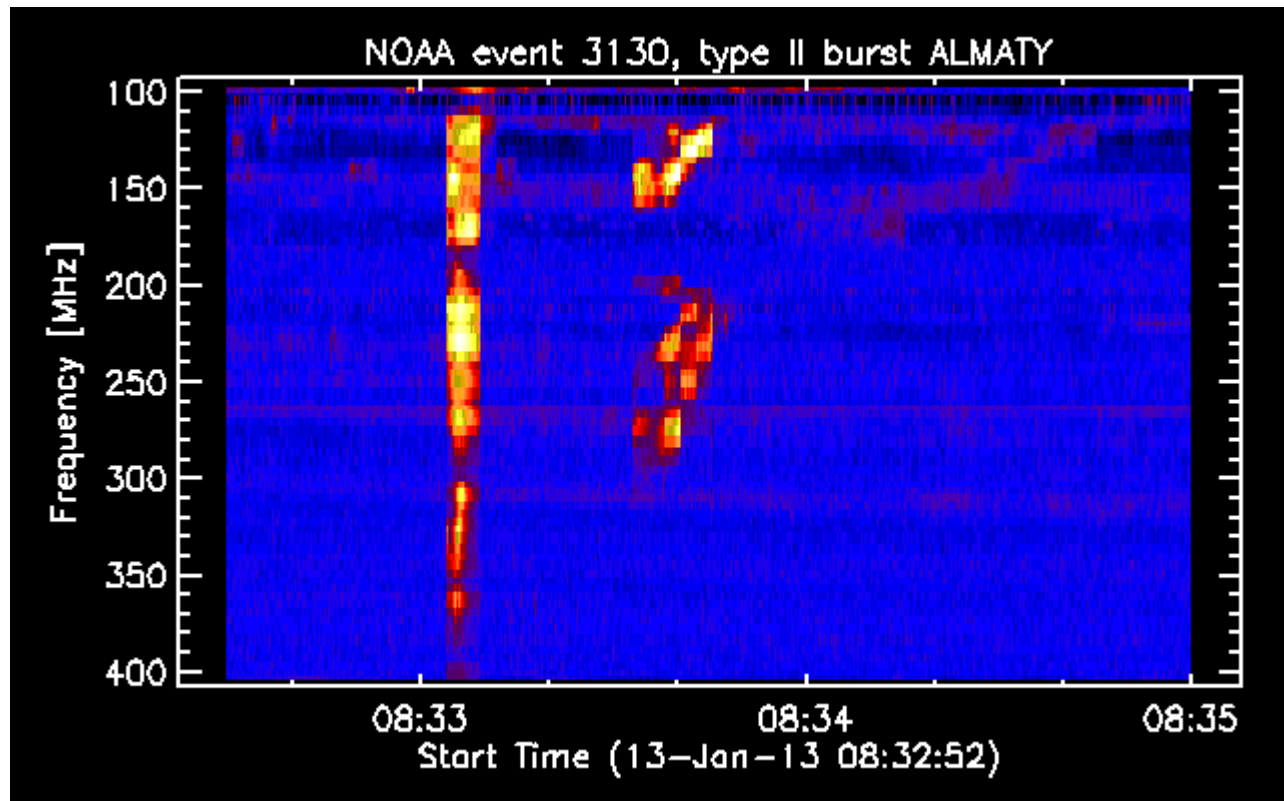


Figure 1: ALMATY, Kazakhstan. Antenna = LPDA pointing to the sun. Remark: X-axis timing-error.
Frequency resolution: 4.1 MHz

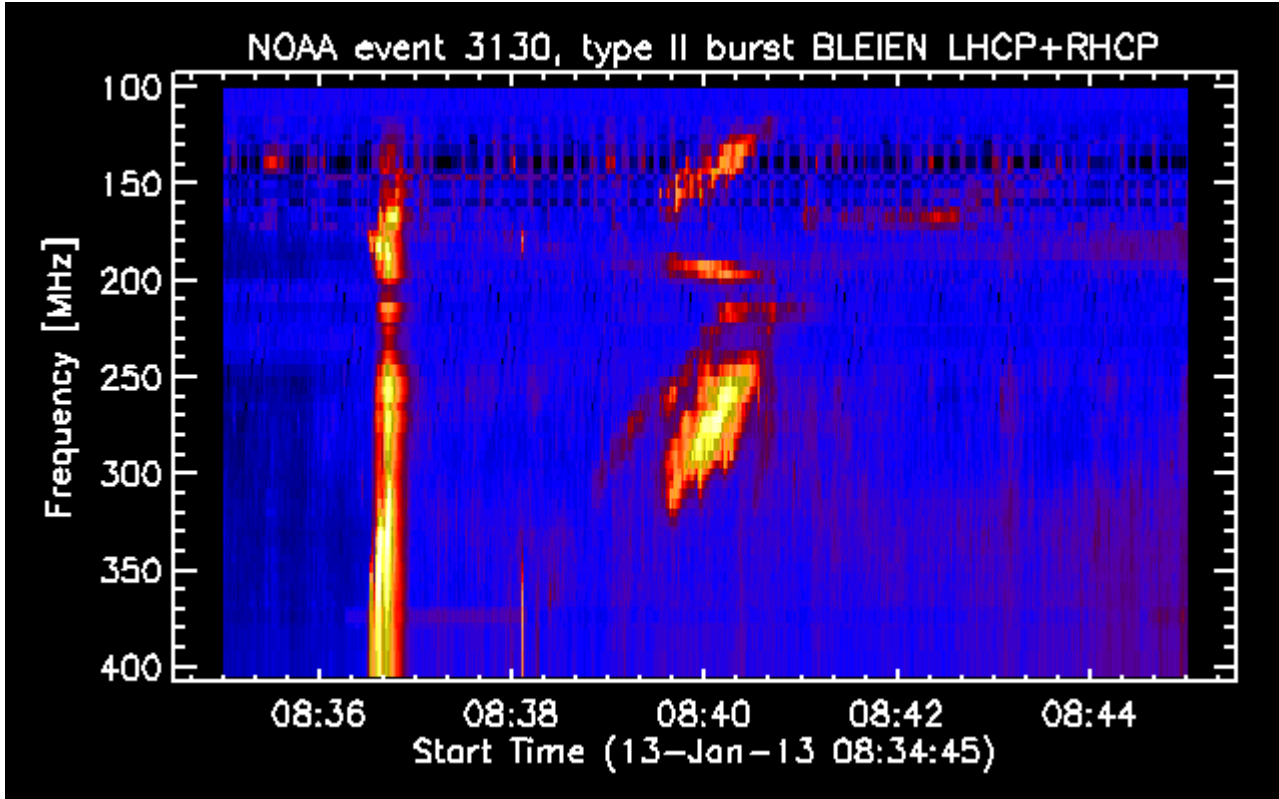
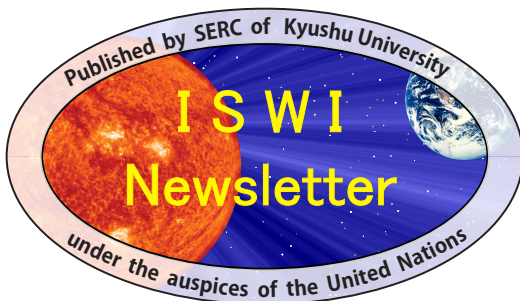


Figure 2: Bleien, Switzerland 7m dish pointing to the sun. I = LHCP + RHCP
Frequency resolution: 4.1 MHz



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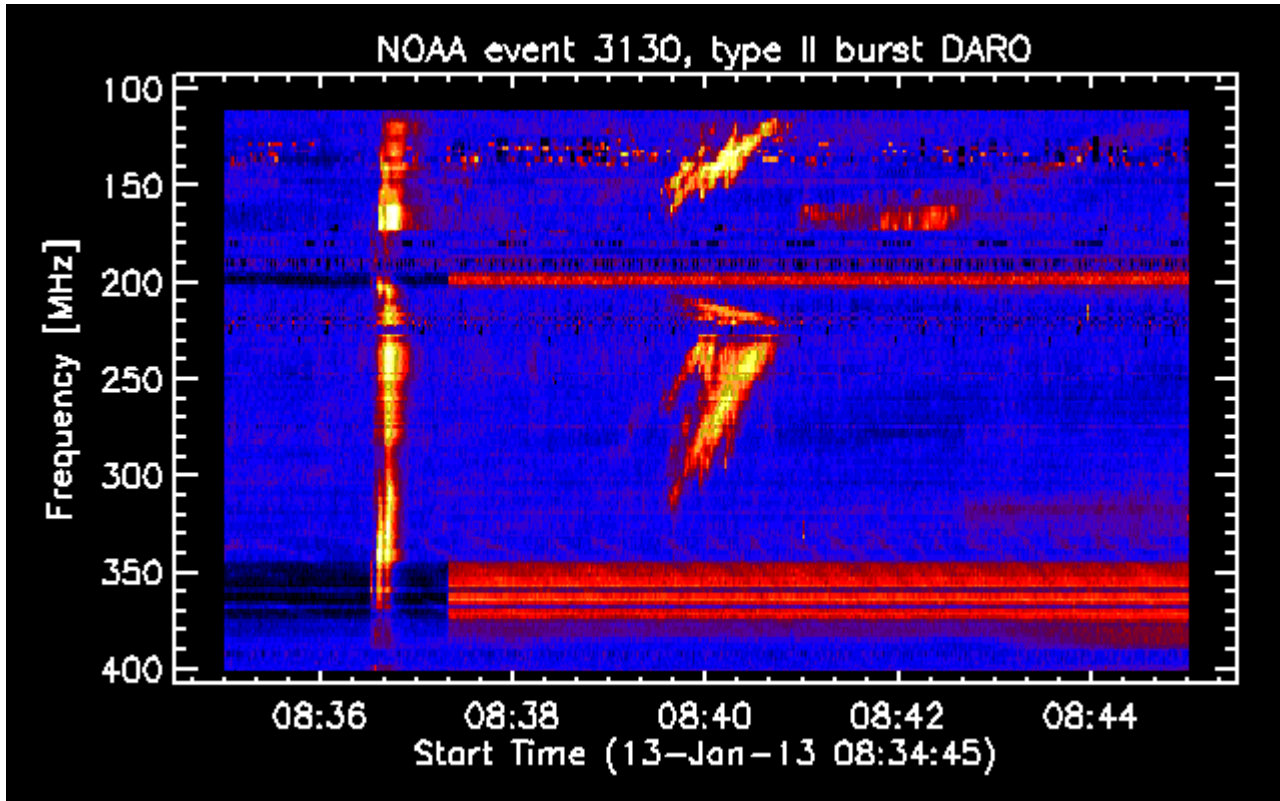


Figure 3: DARO Dingden Amateur Radio Observatory, Germany. Antenna LPDA pointing to the sun.
Frequency resolution: 1.8 MHz

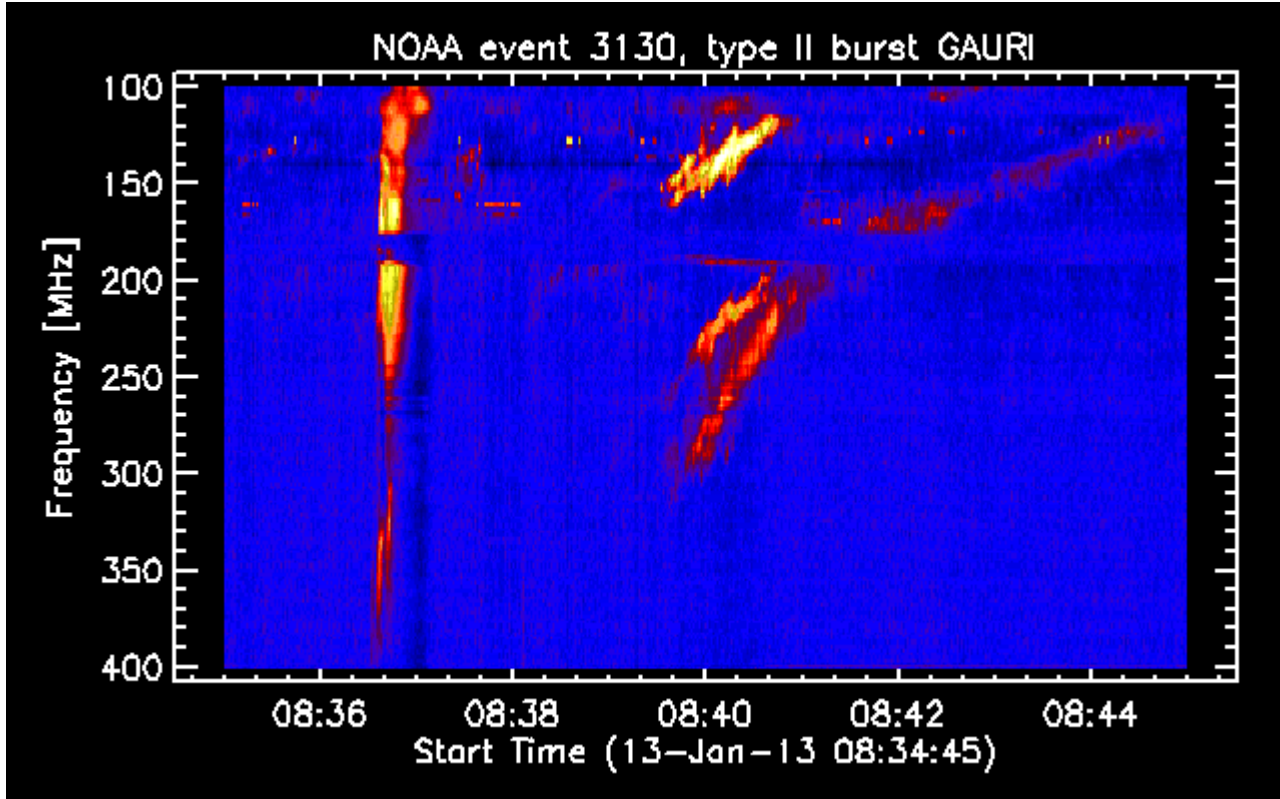


Figure 4: Gauribidanur, India. LPDA pointing to zenith.
Frequency resolution: 1.8 MHz

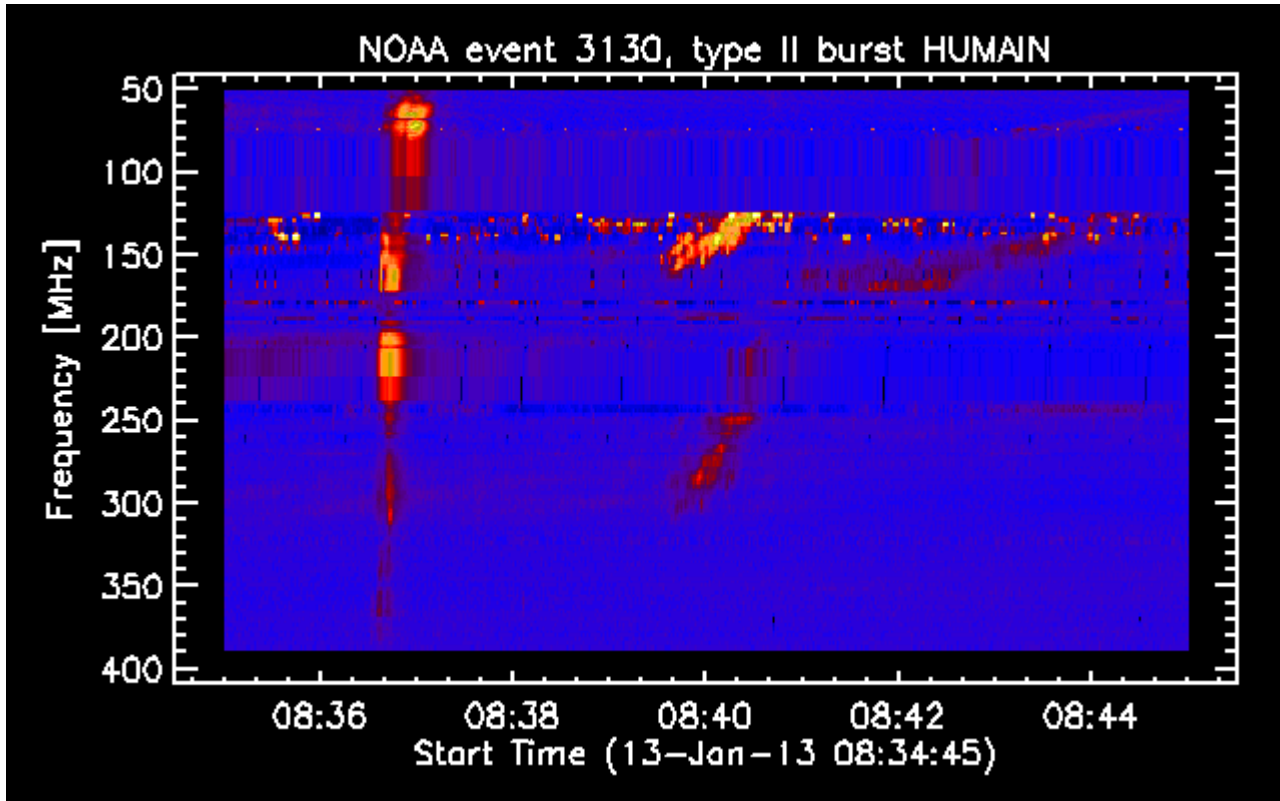


Figure 5: HUMAN, Royal Observatory of Belgium. LPDA pointing to the sun.
Frequency resolution: 1.7 MHz

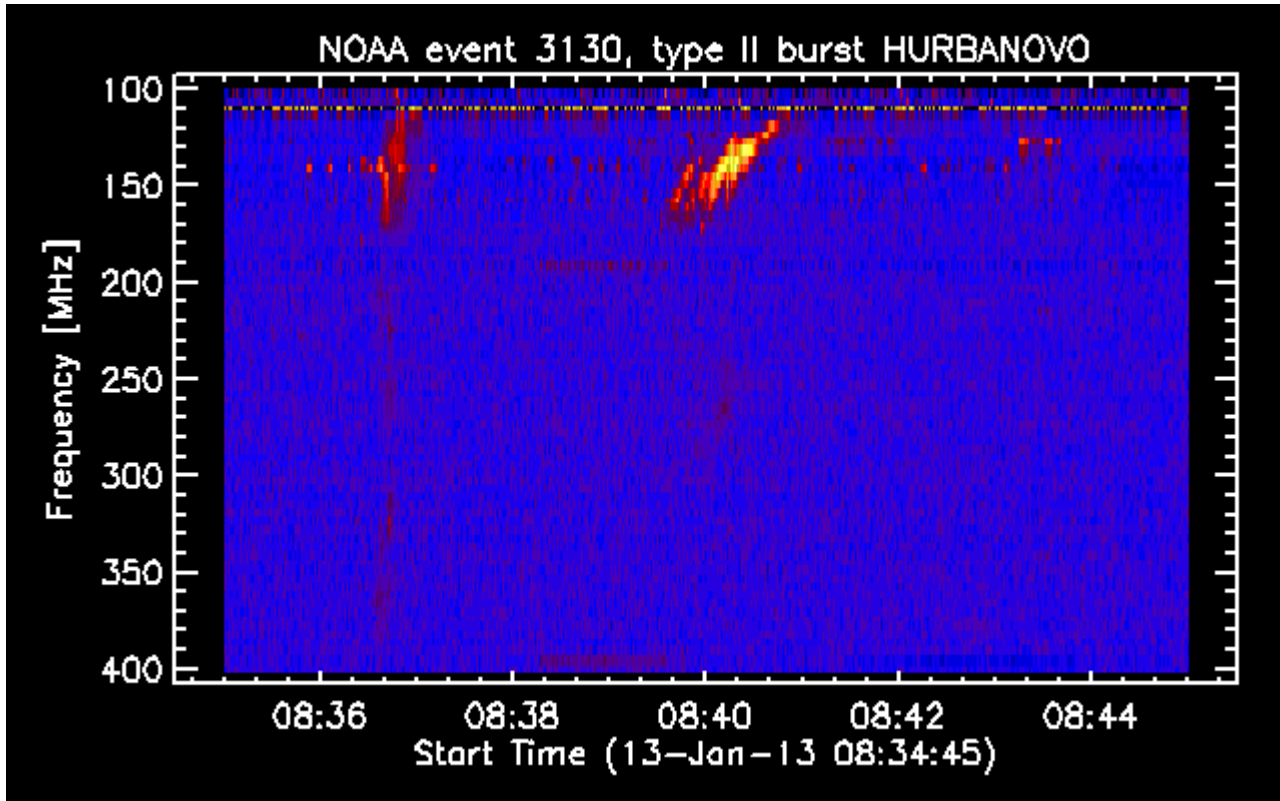


Figure 6: HURBANOVO, Slovakia. LPDA pointing to meridian transit.
Frequency resolution: 4.1 MHz

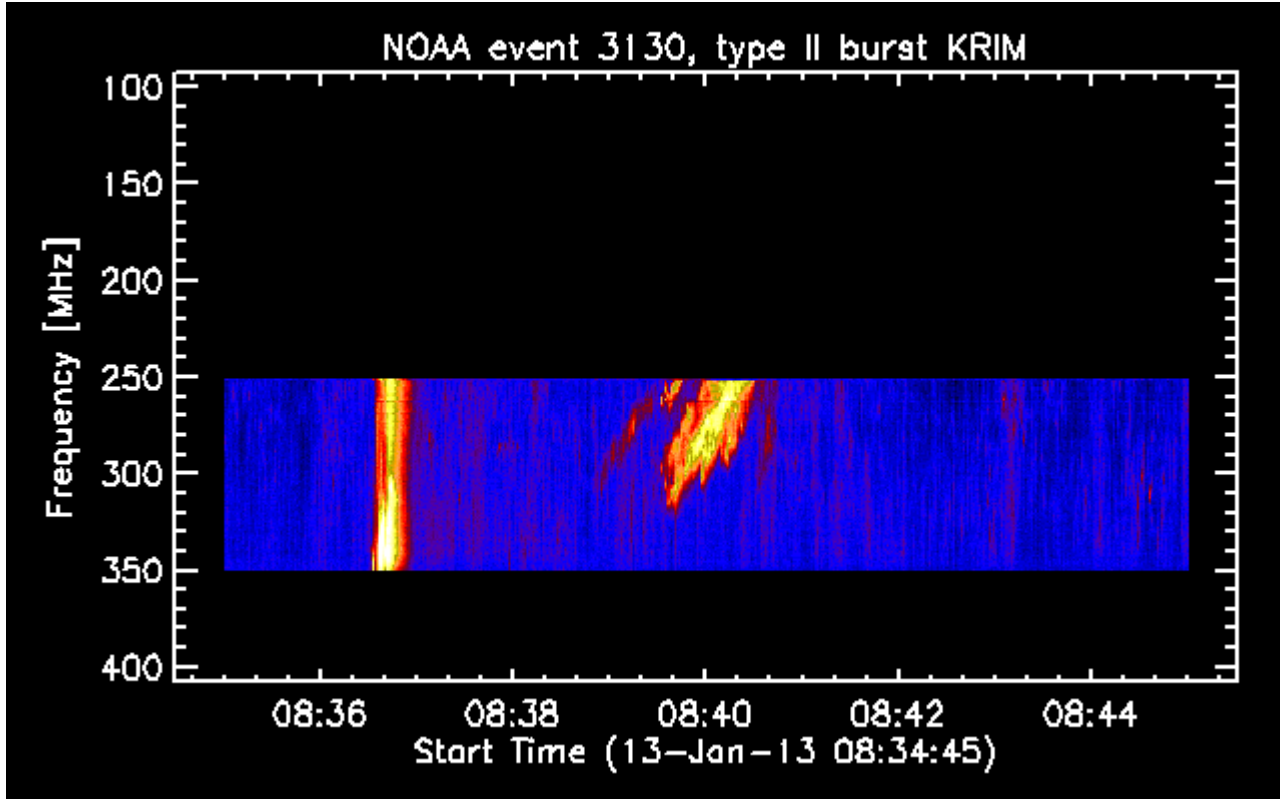


Figure 7: KRIM, Ukraine. 16-element array pointing to the sun.
Frequency resolution: 0.49 MHz

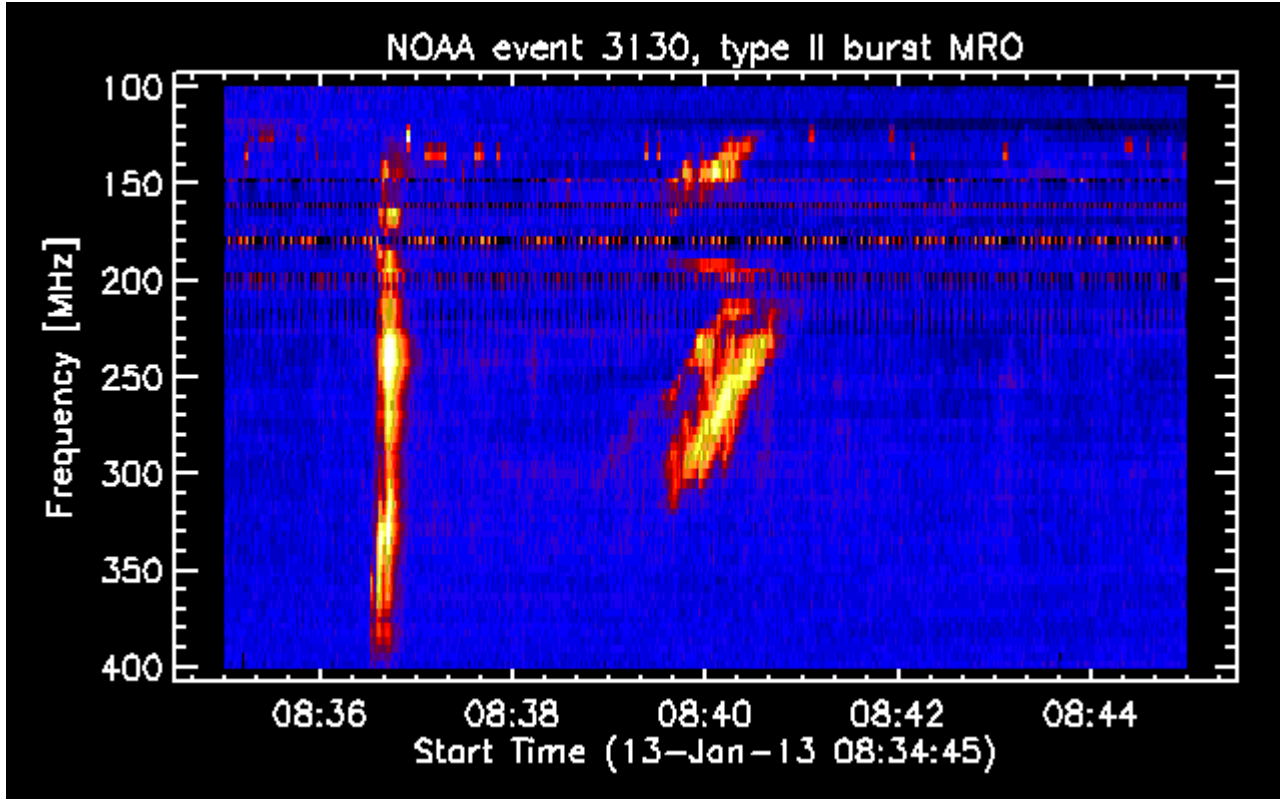


Figure 8: MRO, Finland. LPDA pointing to the sun
Frequency resolution: 3.9 MHz

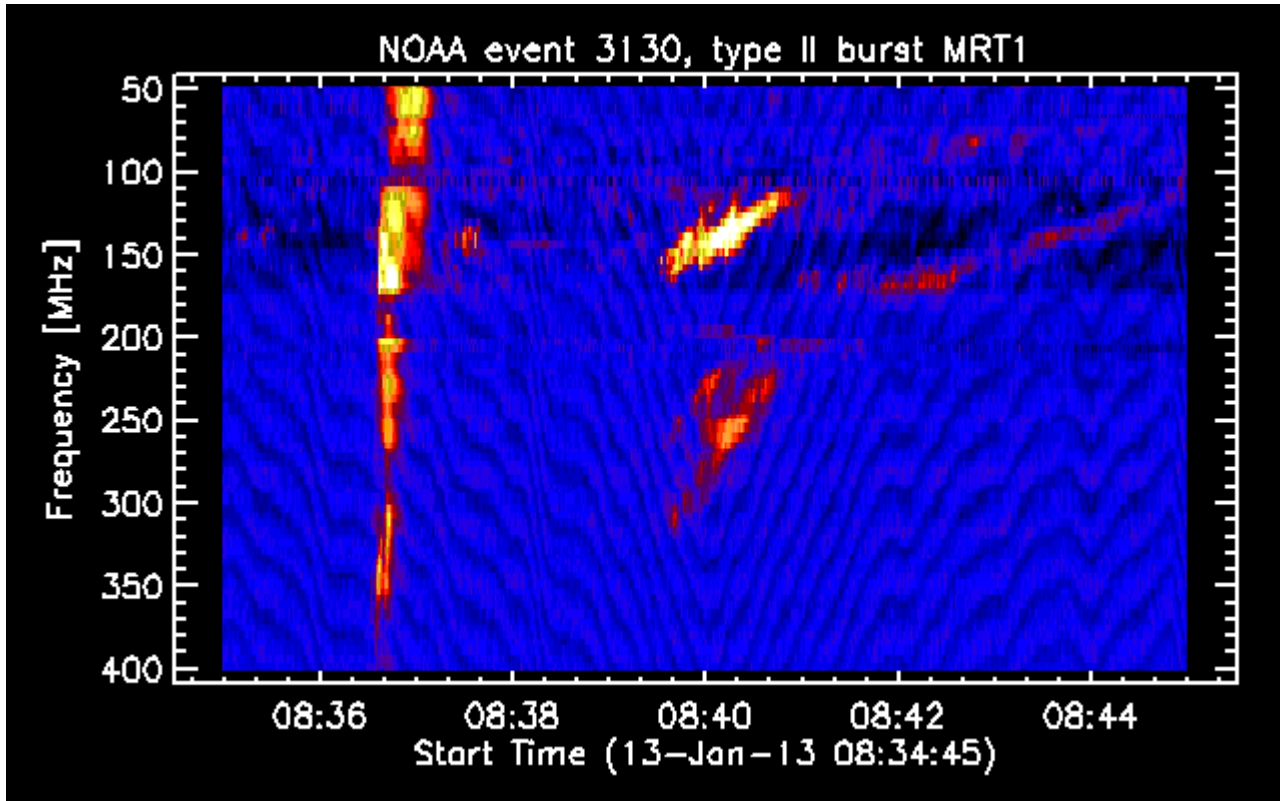


Figure 9: MRT1, Mauritius. LPDA linear 1 pointing to zenith.
Frequency resolution: 4.1 MHz

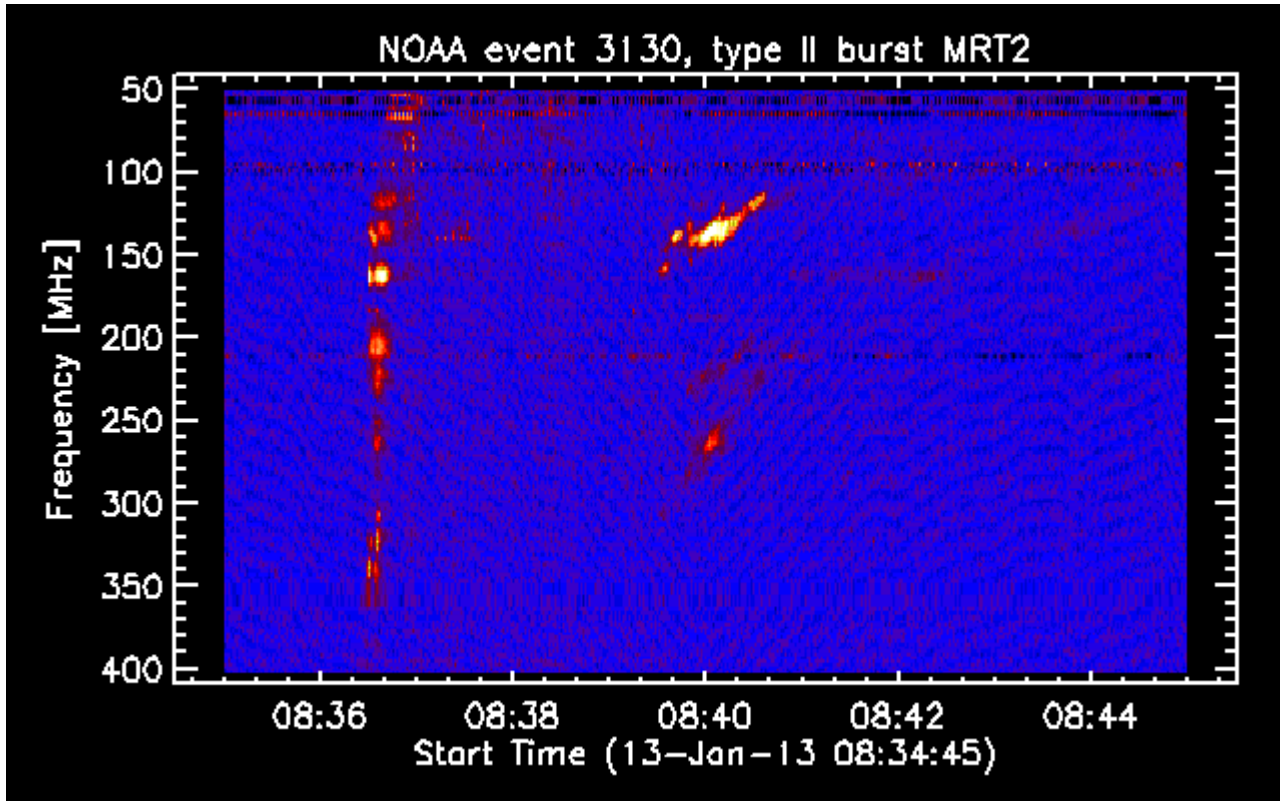


Figure 10: MRT2, Mauritius. LPDA linear 2 pointing to zenith
Frequency resolution: 2.0 MHz

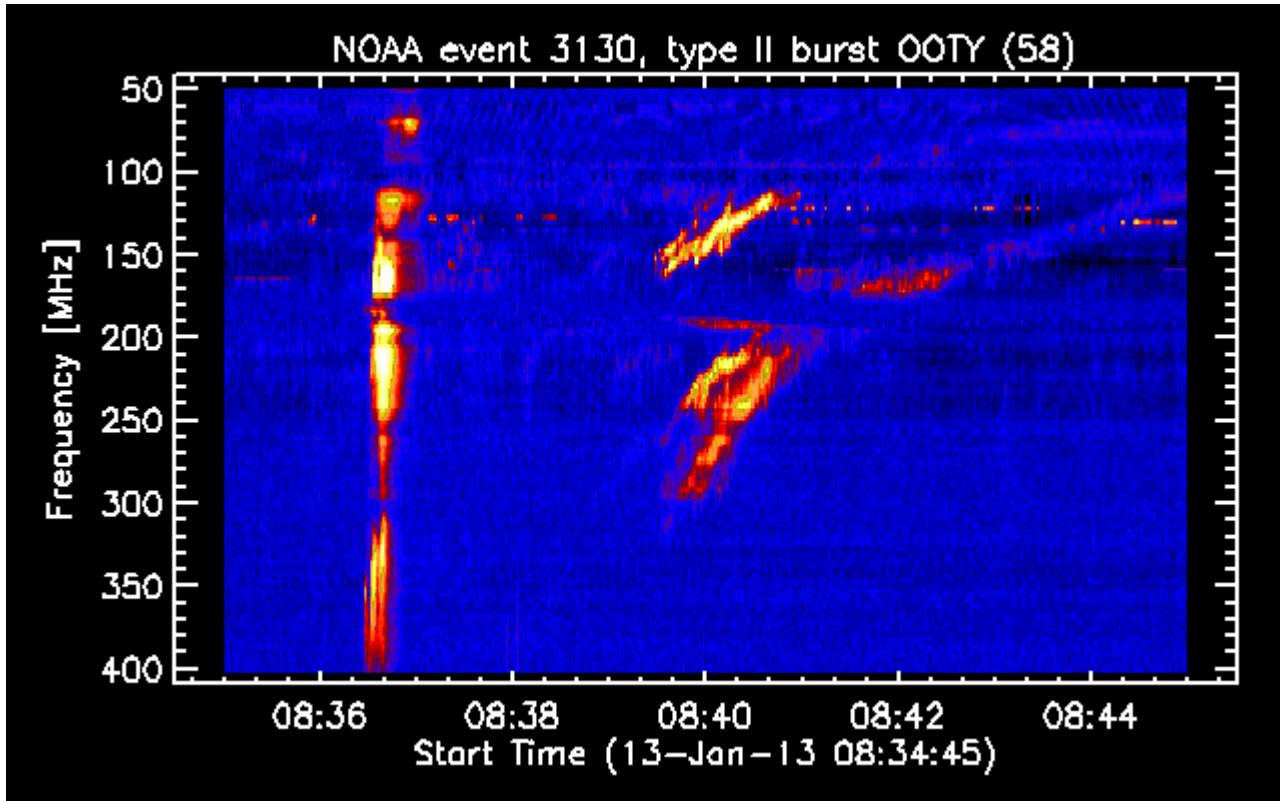


Figure 11: OOTY, India. LPDA 1 pointing to zenith
Frequency resolution: 1.9 MHz

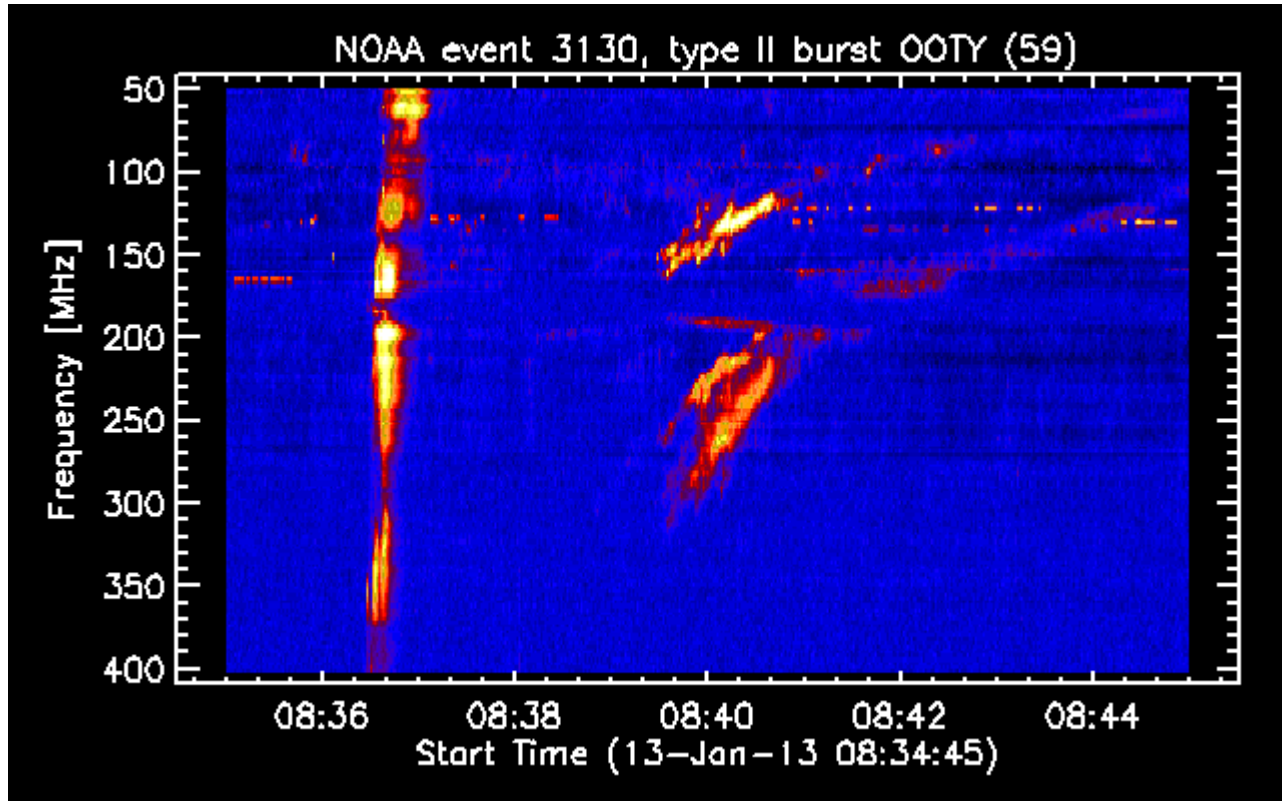


Figure 12: OOTY, India. LPDA linear 2 pointing to zenith.
Frequency resolution: 1.9 MHz

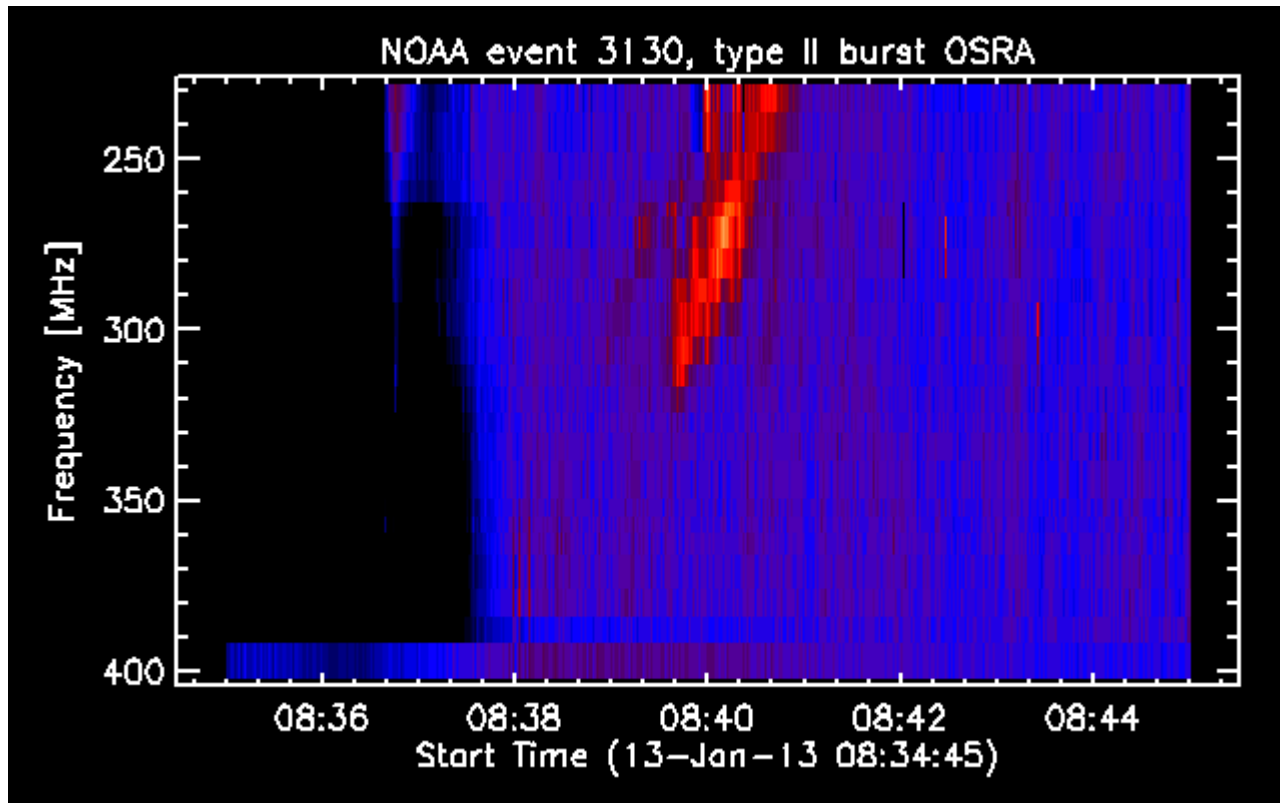


Figure 13: OSRA, Ondrejov, Czech Republic. 7m dish pointing to the sun
Frequency resolution: 7.1 MHz

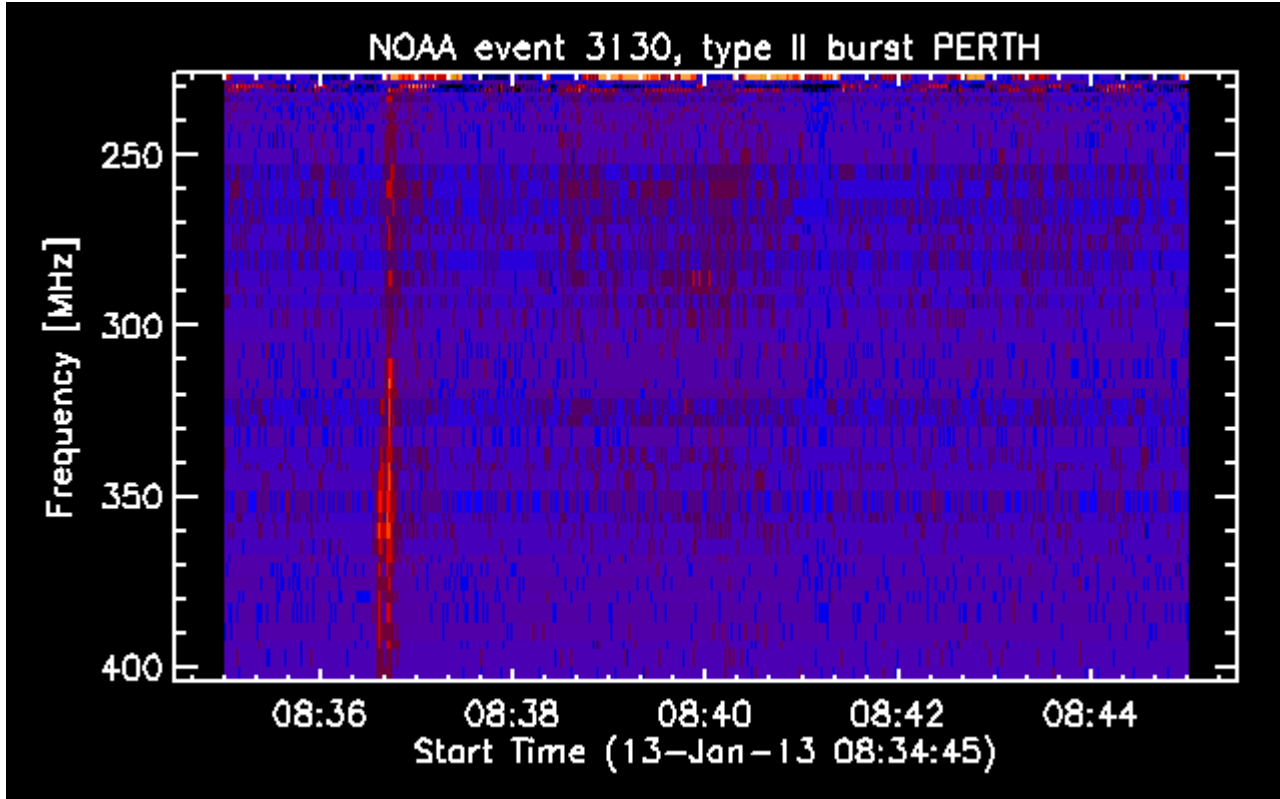


Figure 14: PERTH, Australia. LPDA pointing to the sun
Frequency resolution: 4.3 MHz

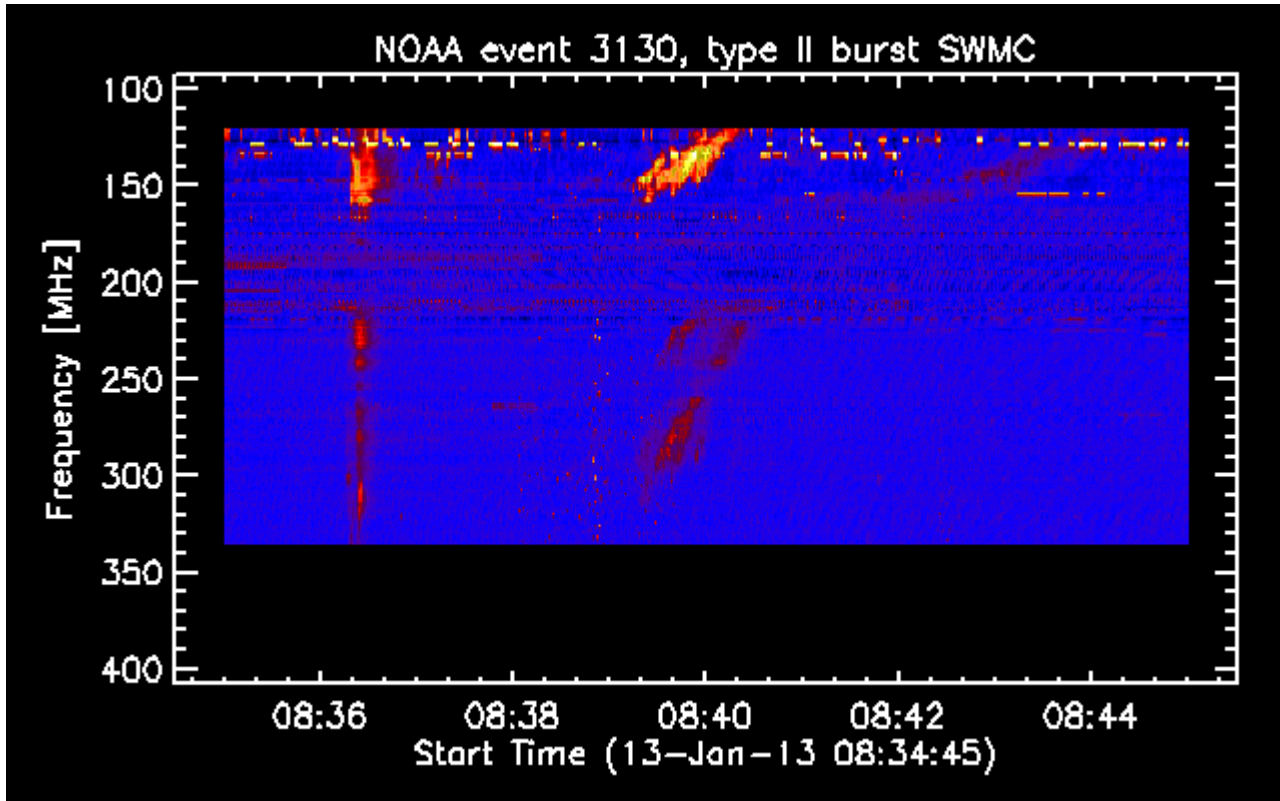


Figure 15: SWMC, Space Weather Monitoring Center, Helwan, Egypt, LPDA pointing to zenith.
Frequency resolution: 1.1 MHz

To remember:

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