

Observations by RAMBo

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RAMBo (Radar Astrofilo Meteorico Bolognese) has noticed an increased activity at the time of the Gamma Draconids outburst. The Perseid activity has been monitored by RAMBo too.

1 Gamma Draconids

On August 2 – CBAT telegram No. 4292 reported the analysis of the video data made by Peter Jenniskens of the SETI Institute for the night of 28–29 July. In this analysis he described a strong shower activity related to the Gamma Draconids (IAU 184 GDR) observed by cameras in the Netherlands and Belgium without reporting, however, the hourly rate.

In the same telegram, Peter Brown of the Canadian Meteor Orbit Radar noted this intense activity lasting about two

hours centered on midnight on 28 July and with a visual ZHR of about 50 meteors per hour.

Actually RAMBo (Radar Astrofilo Meteorico Bolognese) <http://www.ramboms.com/> had noticed an increased activity at that time.

The hourly chart shows a peak of increased activity on 28 July at midnight, about four hours before the predicted peak time.

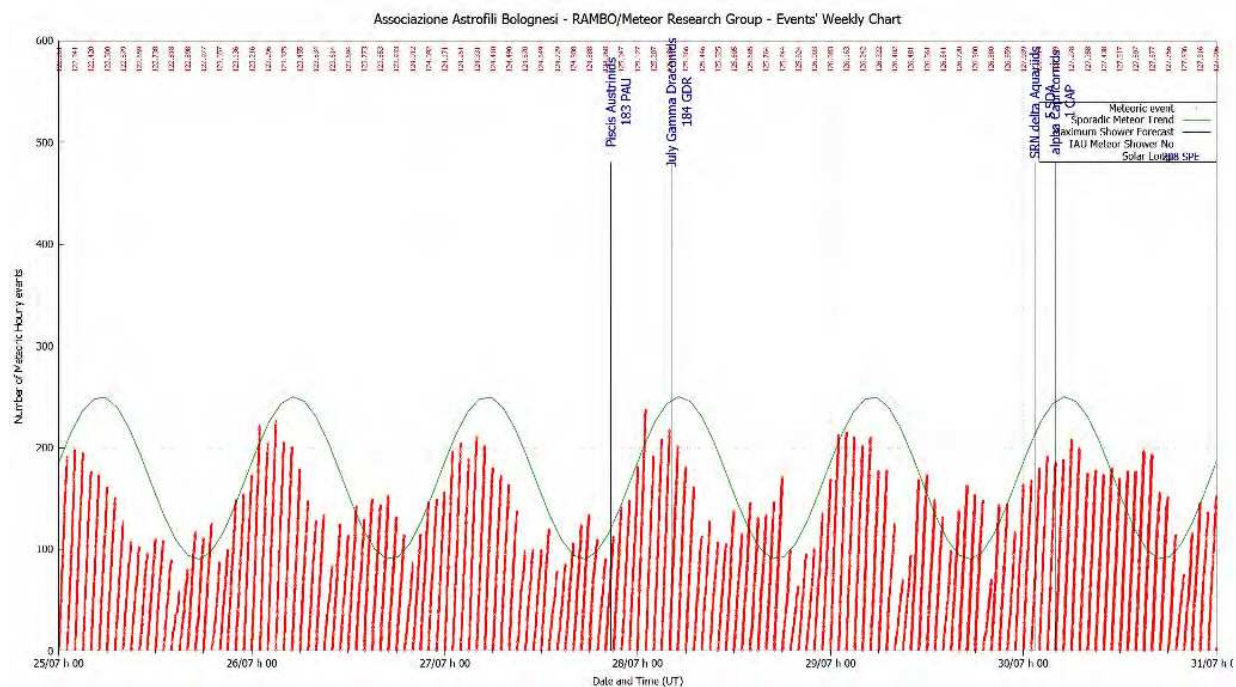


Figure 1 – Gamma Draconids observed by RAMBo.

2 Perseids 2016

In these graphics the Perseids activity seen by RAMBo. Also the narrow peak centered on Aug. 11 at 23^h20^m UTC is well seen (Figure 2).

3 Kappa Leonids on Friday 23/9

On Friday, September 23 at 13 UT the RAMBO system has revealed a weak evidence of the Kappa Leonids

shower, who reached a double hourly rate in comparison to sporadic.

The maximum occurred fifteen minutes after the forecast (at solar longitude 180.7).

The amplitude and analysis of the echoes durations suggests meteoroids of low masses.

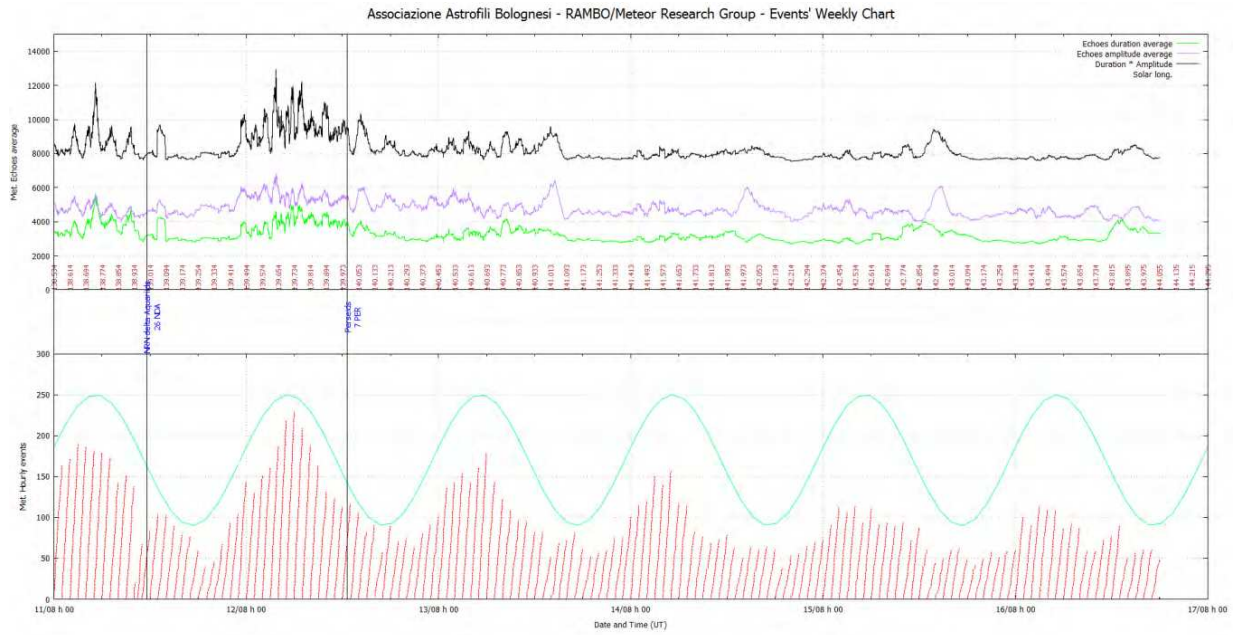


Figure 2 – 2016 Perseids observed by RAMBo.

Associazione Astrofili Bolognesi - RAMBO/Meteor Research Group - Events' Weekly Chart

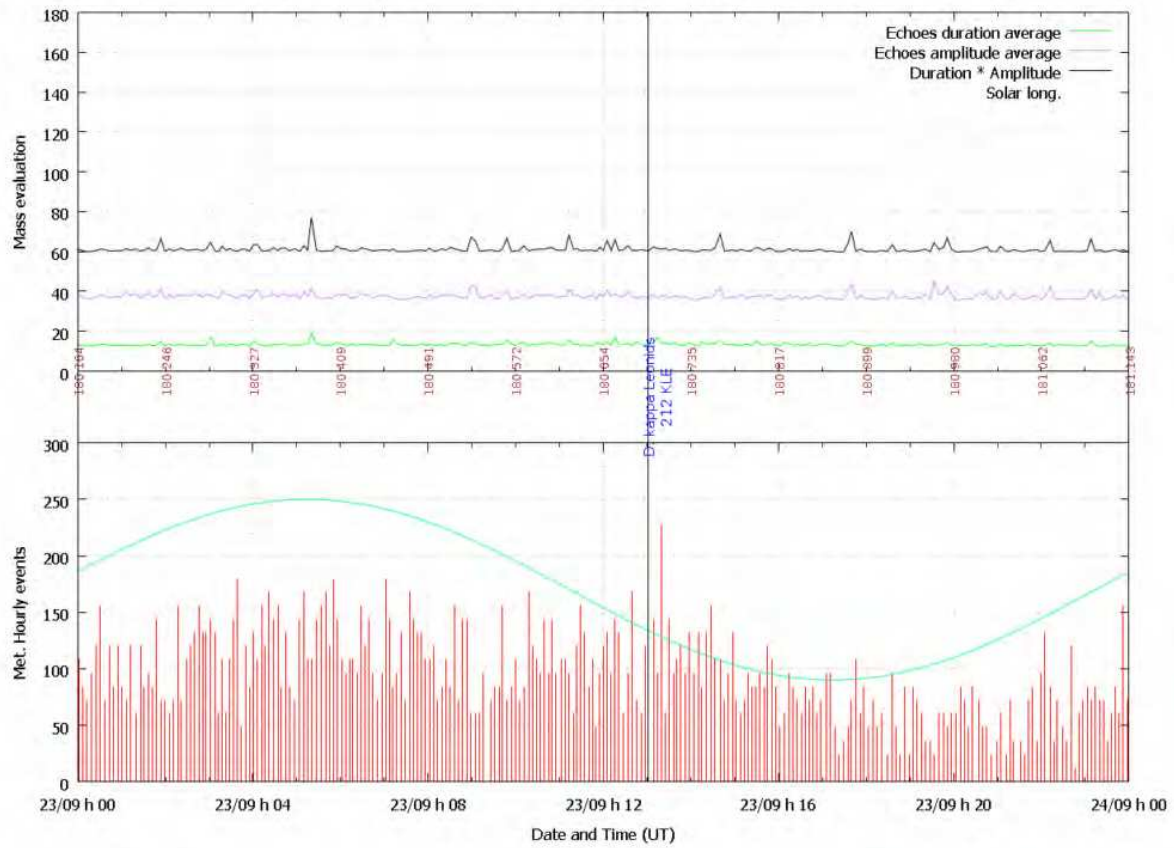


Figure 3 – 2016 Kappa Leonids observed by RAMBo.