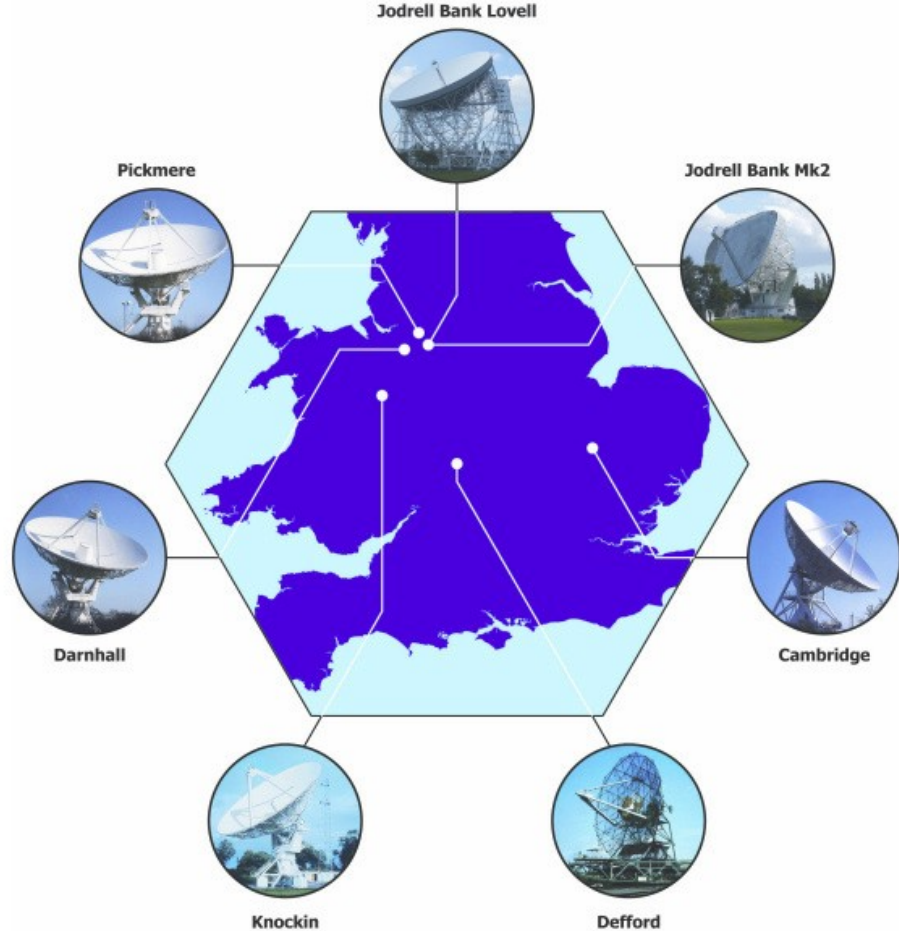
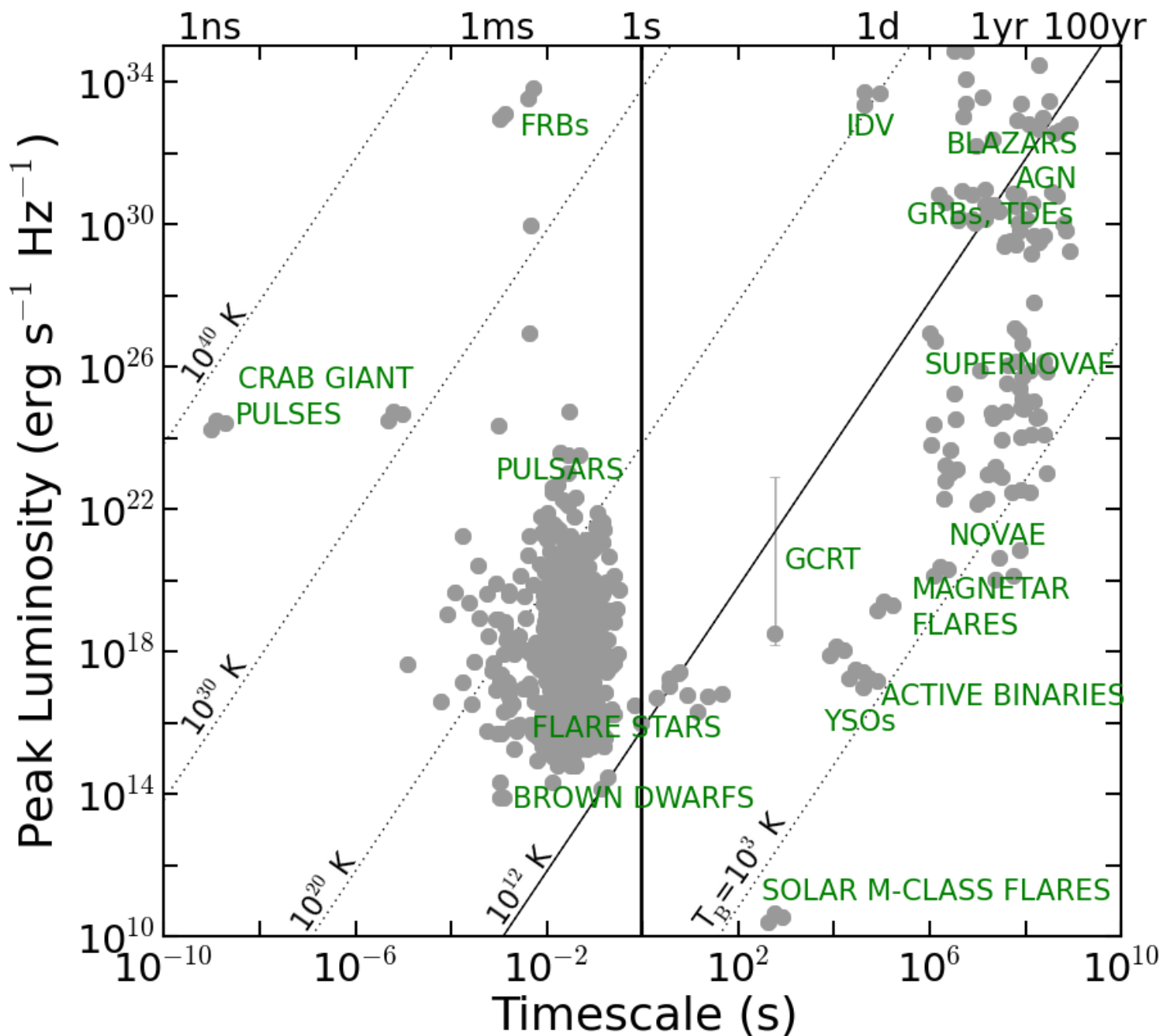


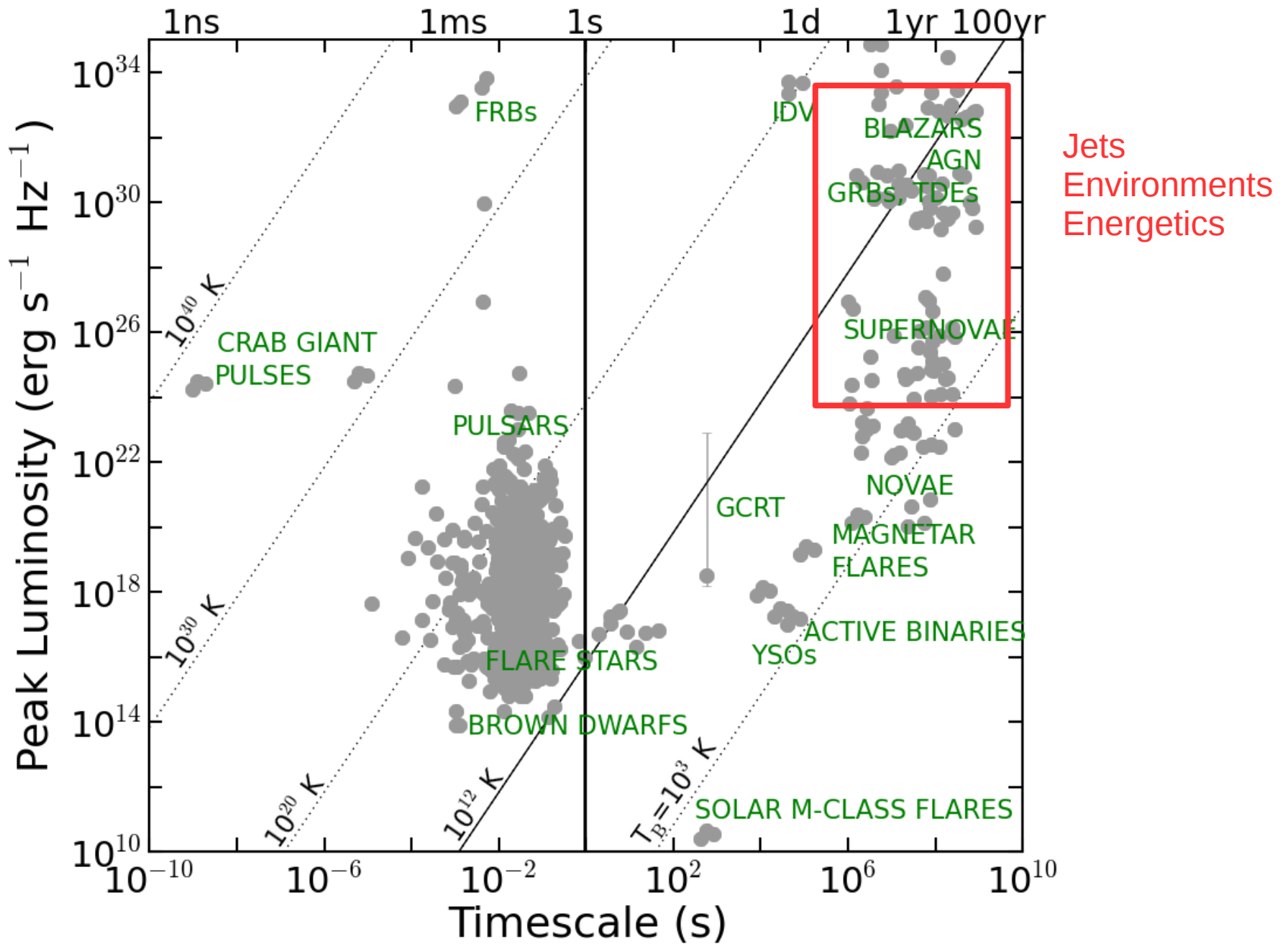


Multi-frequency, High-resolution and Rapid-trigger programs with AMI and eMERLIN

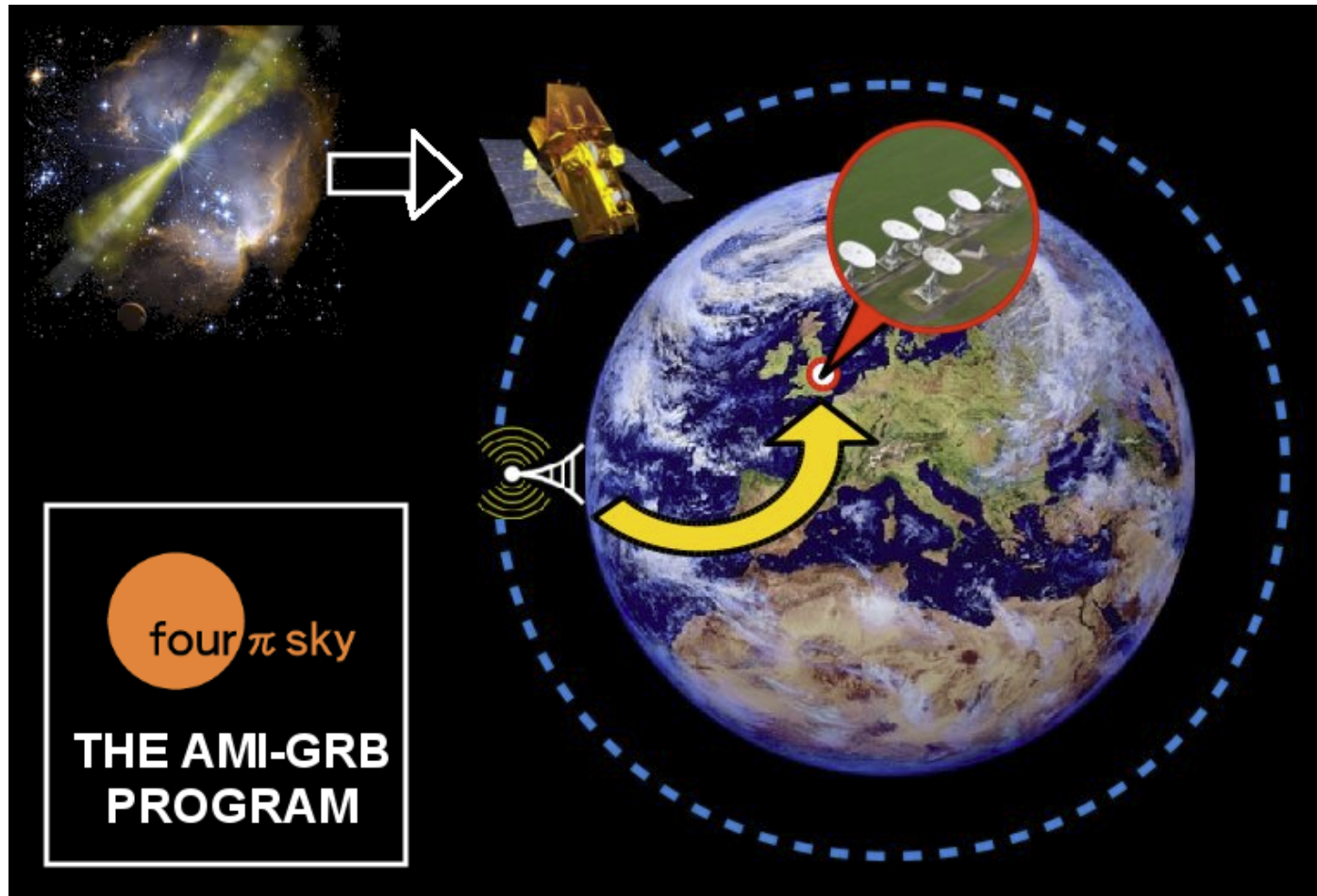
Kunal Mooley
(Hintze Fellow, University of Oxford)

Radio Transients



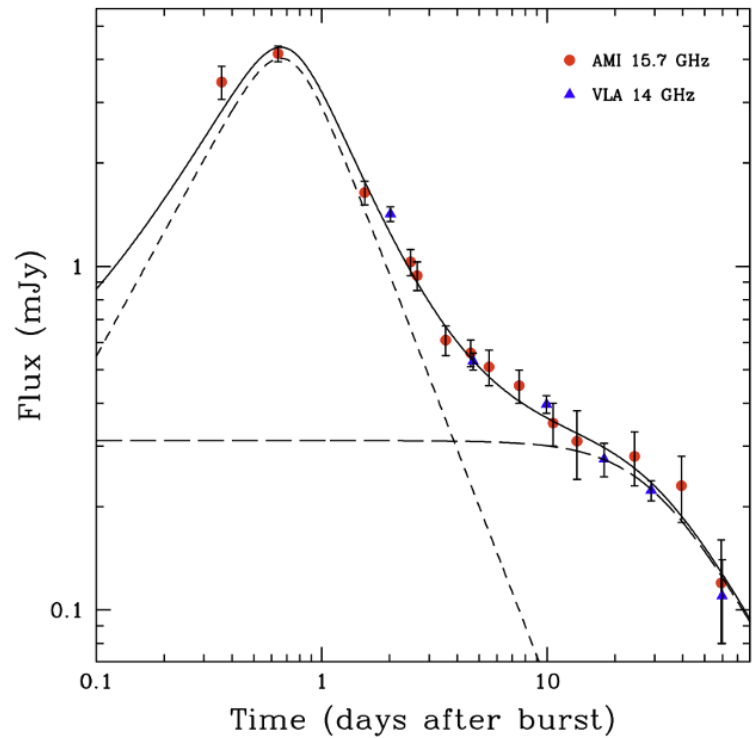


The AMI-GRB Program

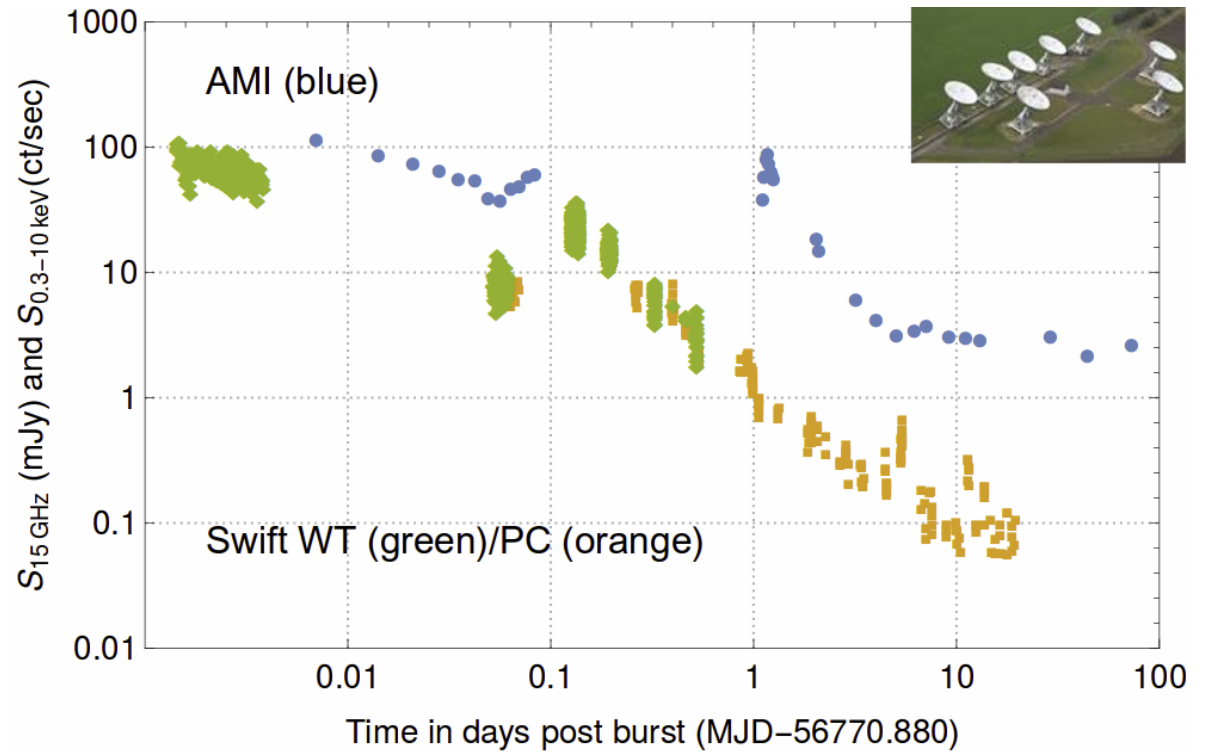


AMI-LA / ALARRM

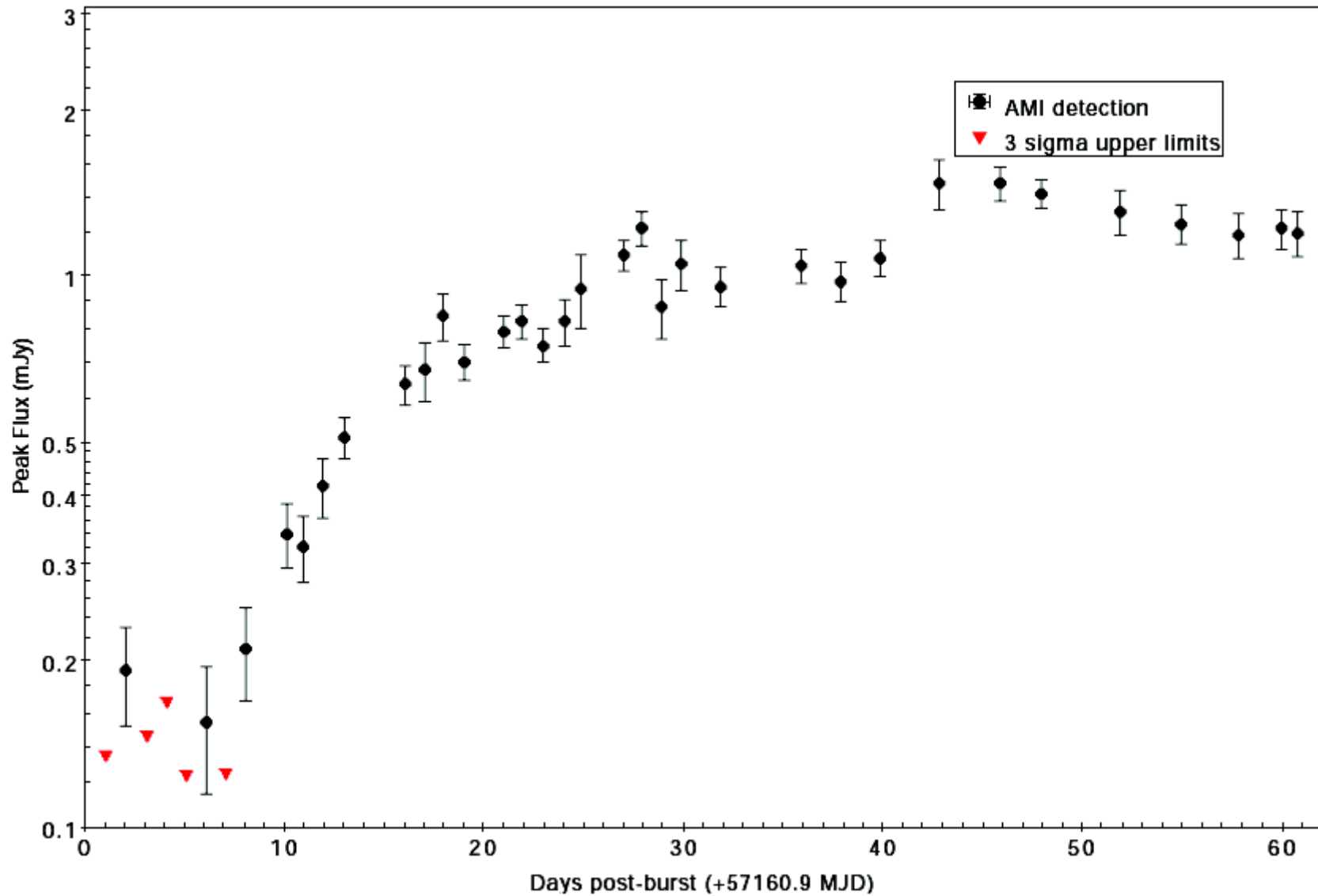
Reverse shock peak in GRB 130427A



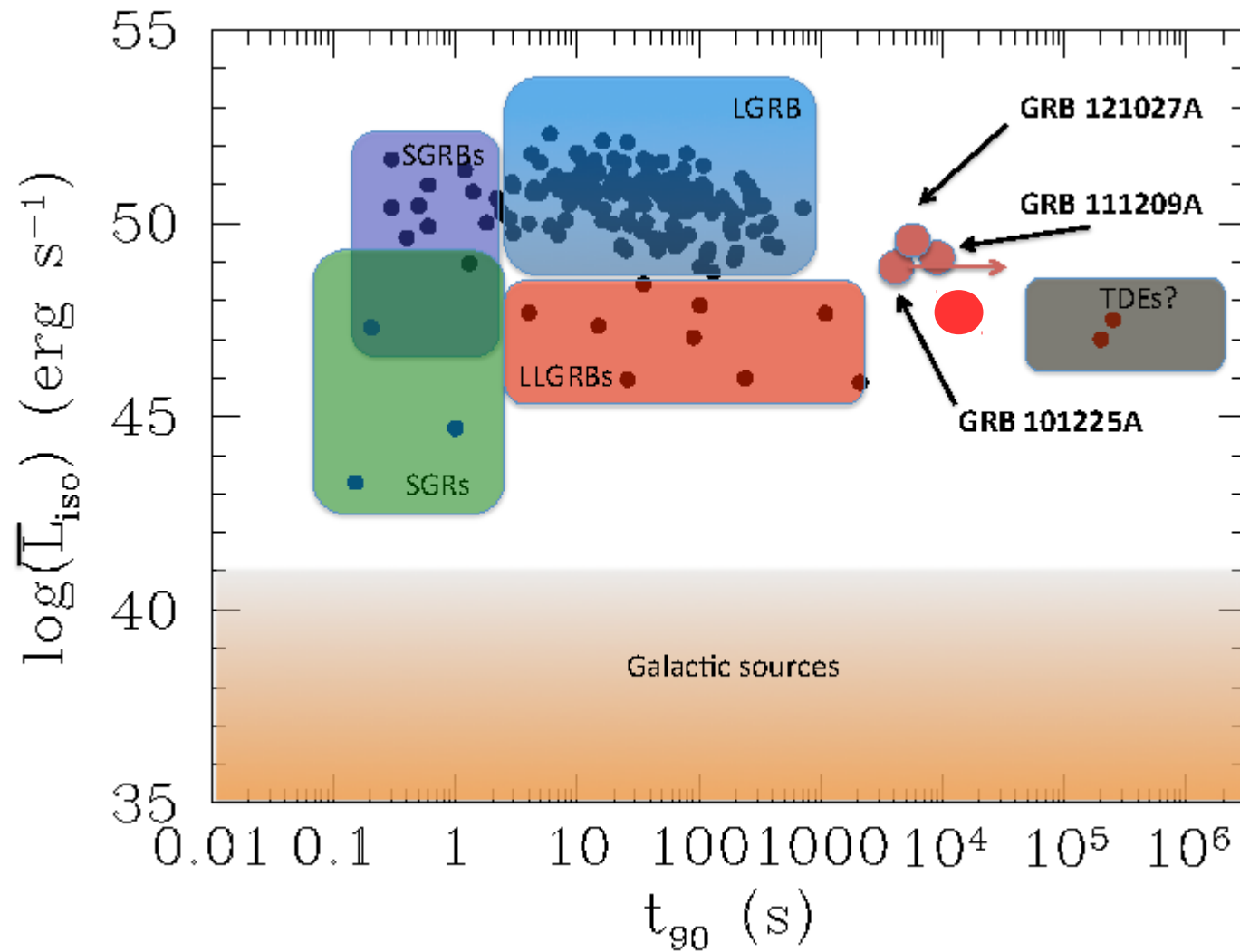
Fast radio flare from DG CVn



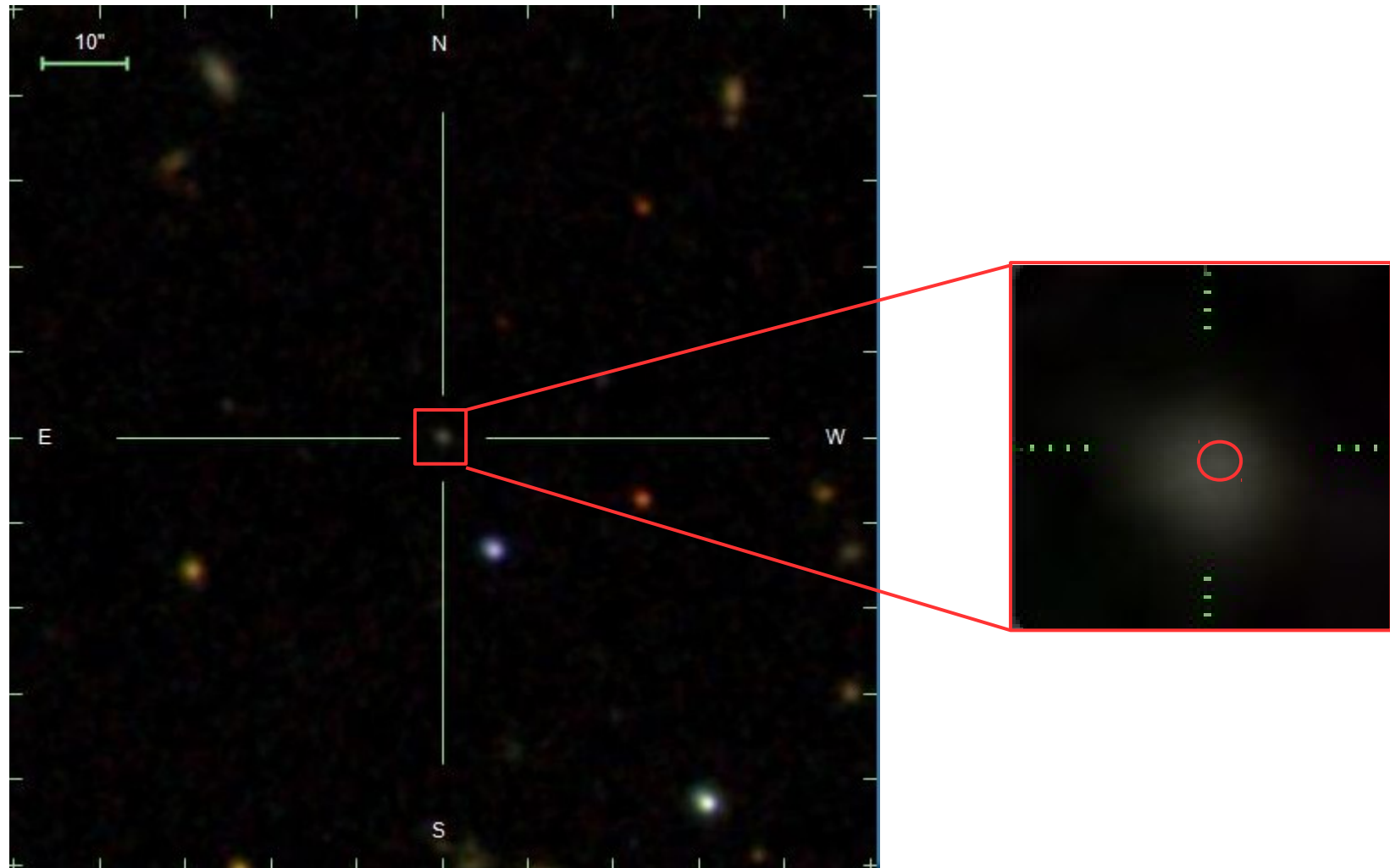
Ultra-long GRB 150518A



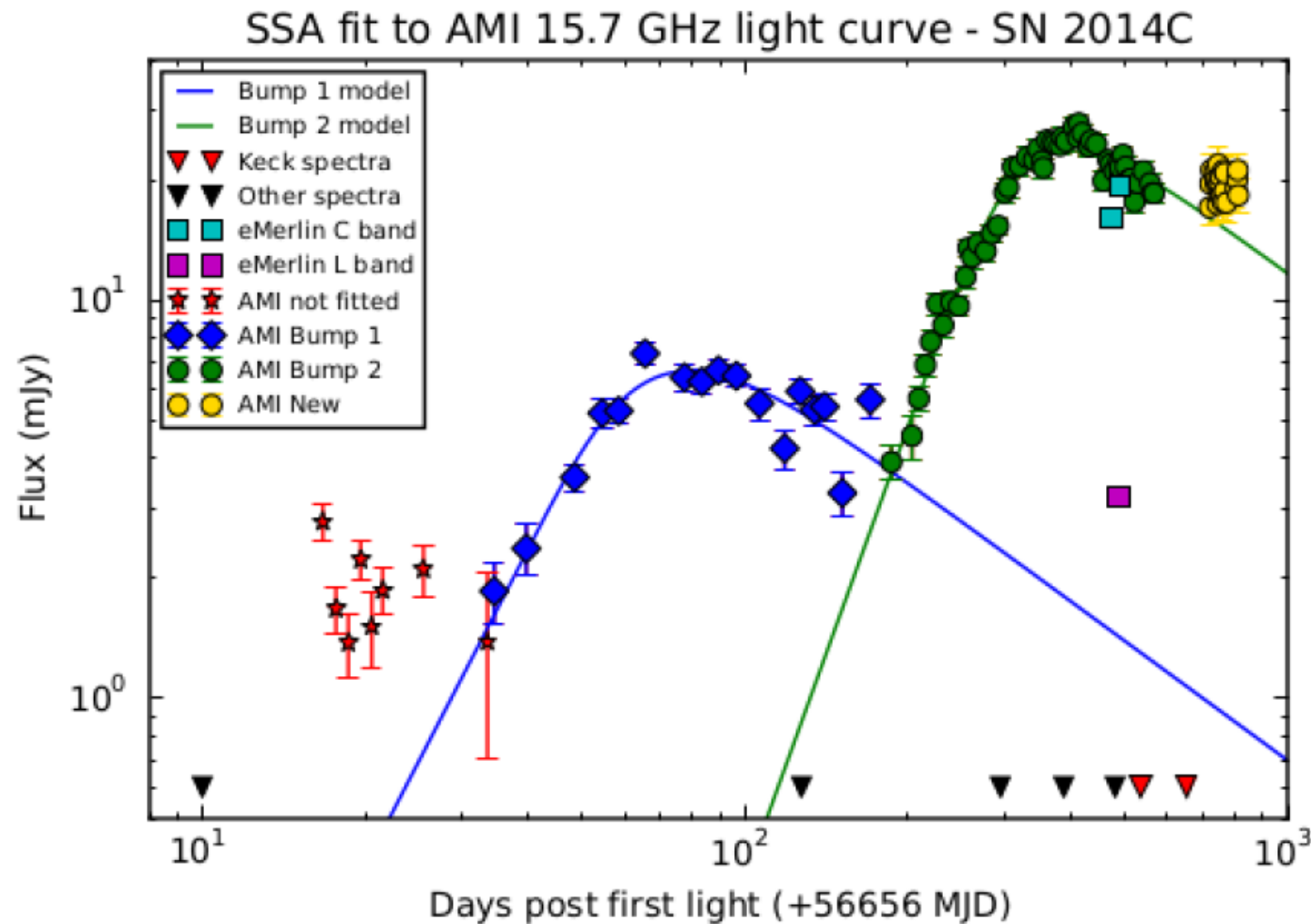
Ultra-long GRB 150518A



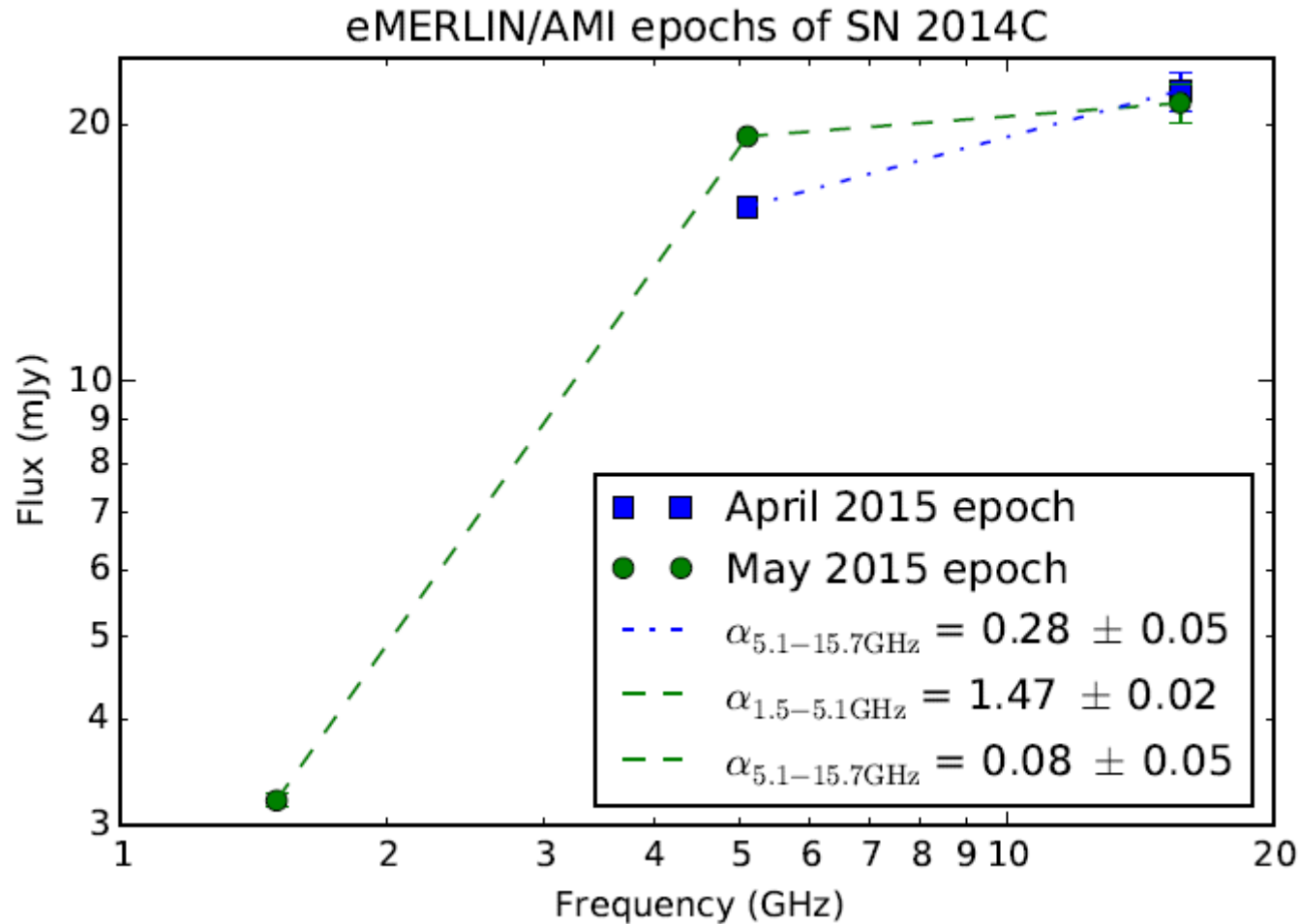
GRB 150518A with eMERLIN

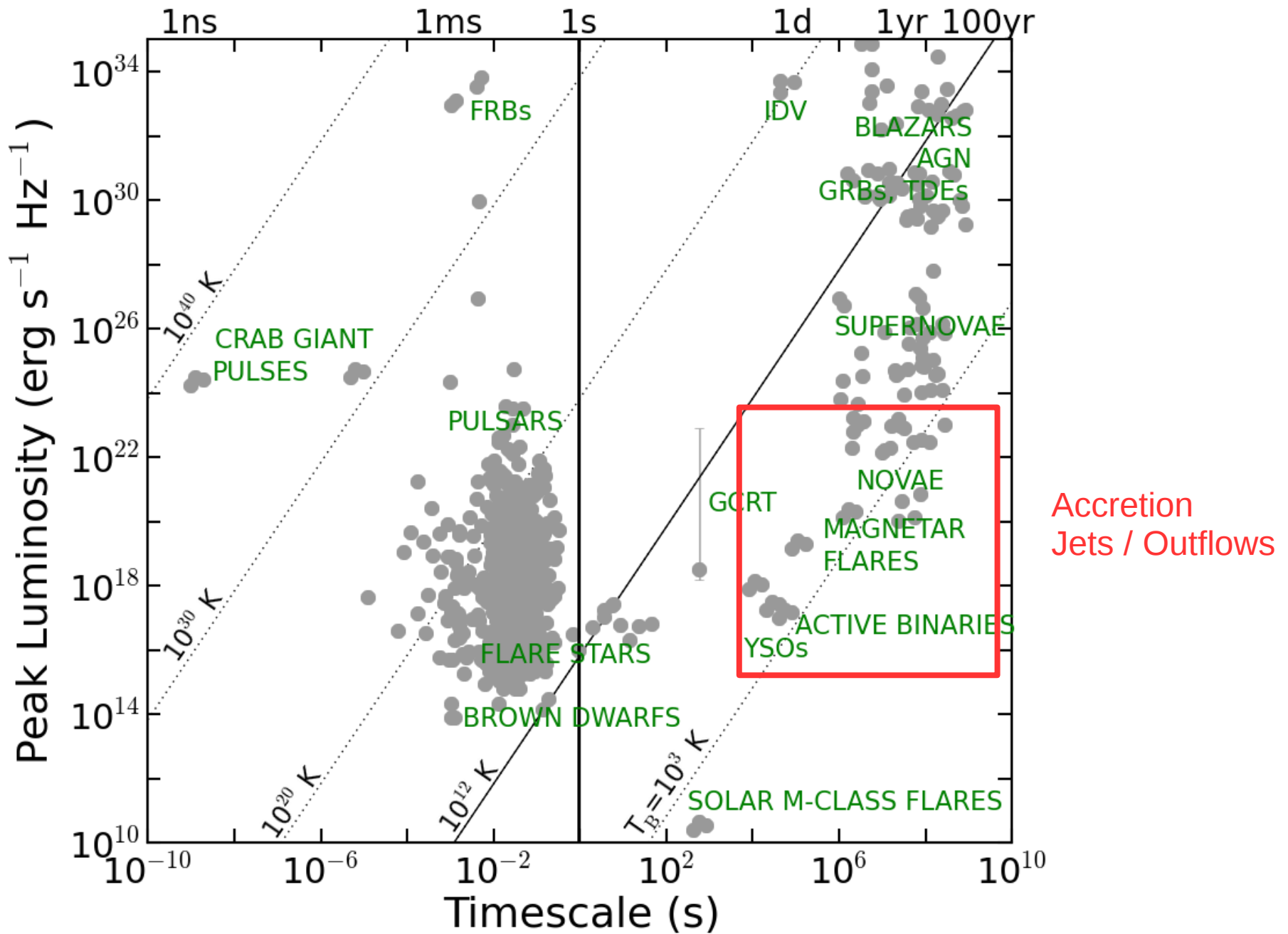


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V404 Cyg – Press Releases



Integral in brief

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- Integral factsheet
- A truly international mission

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- The spacecraft
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- Integral results leaflet (pdf)
- Integral mission

MONSTER BLACK HOLE WAKES UP AFTER 26 YEARS

25 June 2015 Over the past week, ESA's Integral satellite has been observing an exceptional outburst of high-energy light produced by a black hole that is devouring material from its stellar companion.

X-rays and gamma rays point to some of the most extreme phenomena in the Universe, such as stellar explosions, powerful outbursts and black holes feasting on their surroundings.

In contrast to the peaceful view of the night sky we see with our eyes, the high-energy sky is a dynamic



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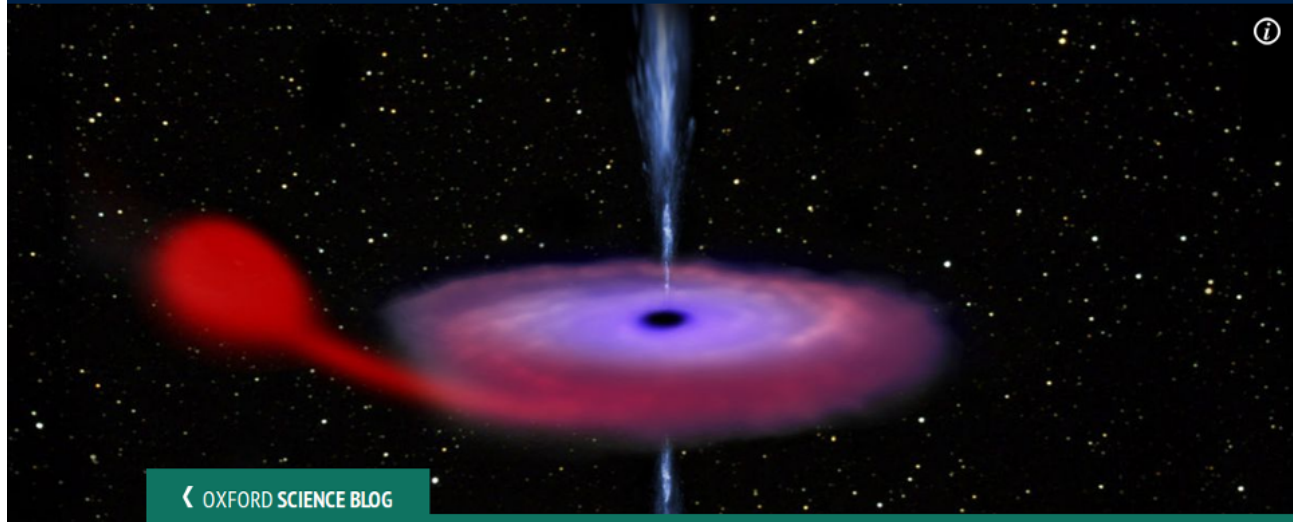
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Black hole awakes after 26 years

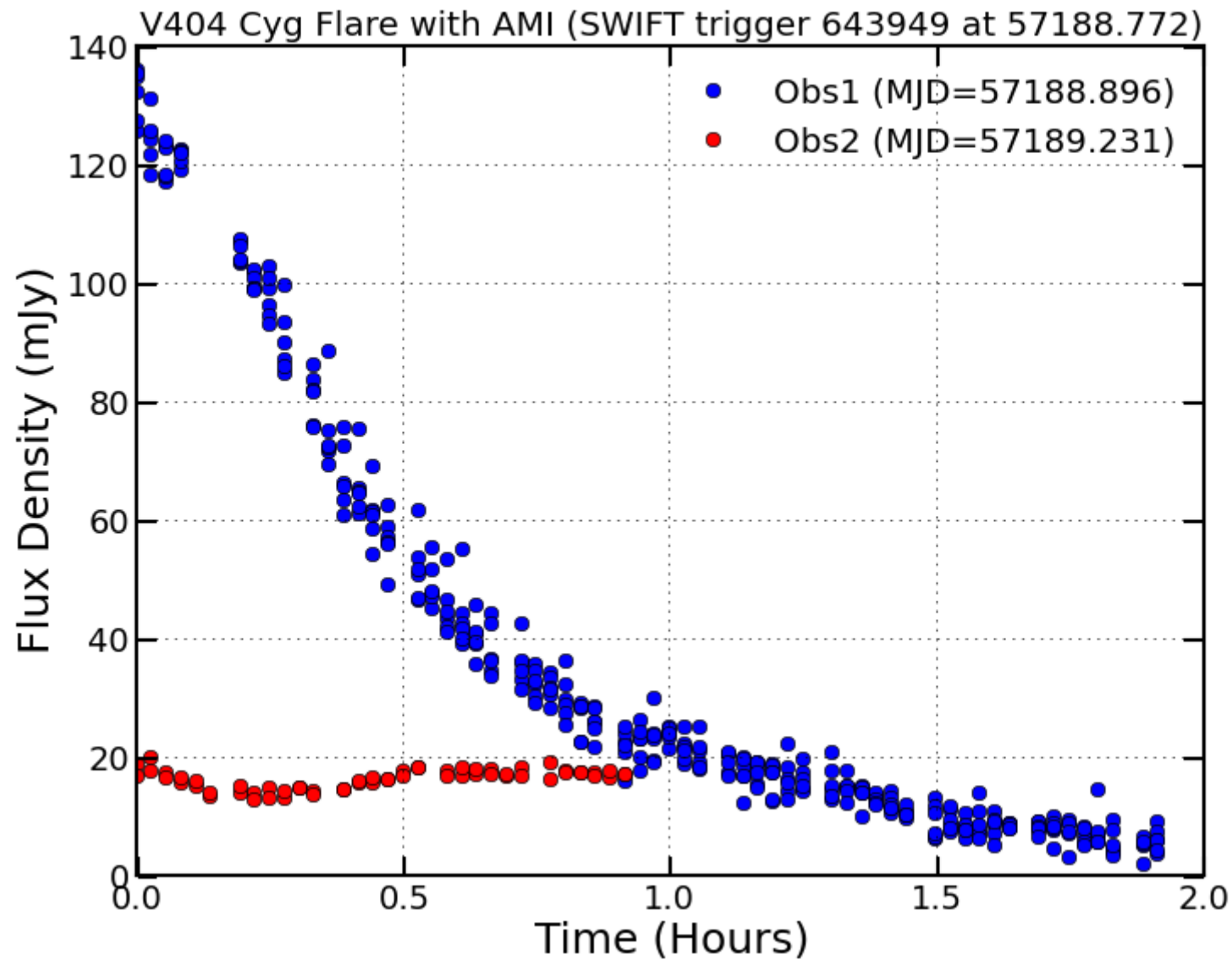
Dr Kunal Mooley | 5 Nov 2015

On 15 June 2015, V404 Cygni (V404 Cyg), a binary system comprising a sun-like star orbiting a black hole, woke up. A huge outburst of energy across the electromagnetic spectrum 'lit up' the sky. The last such outburst was 1989.

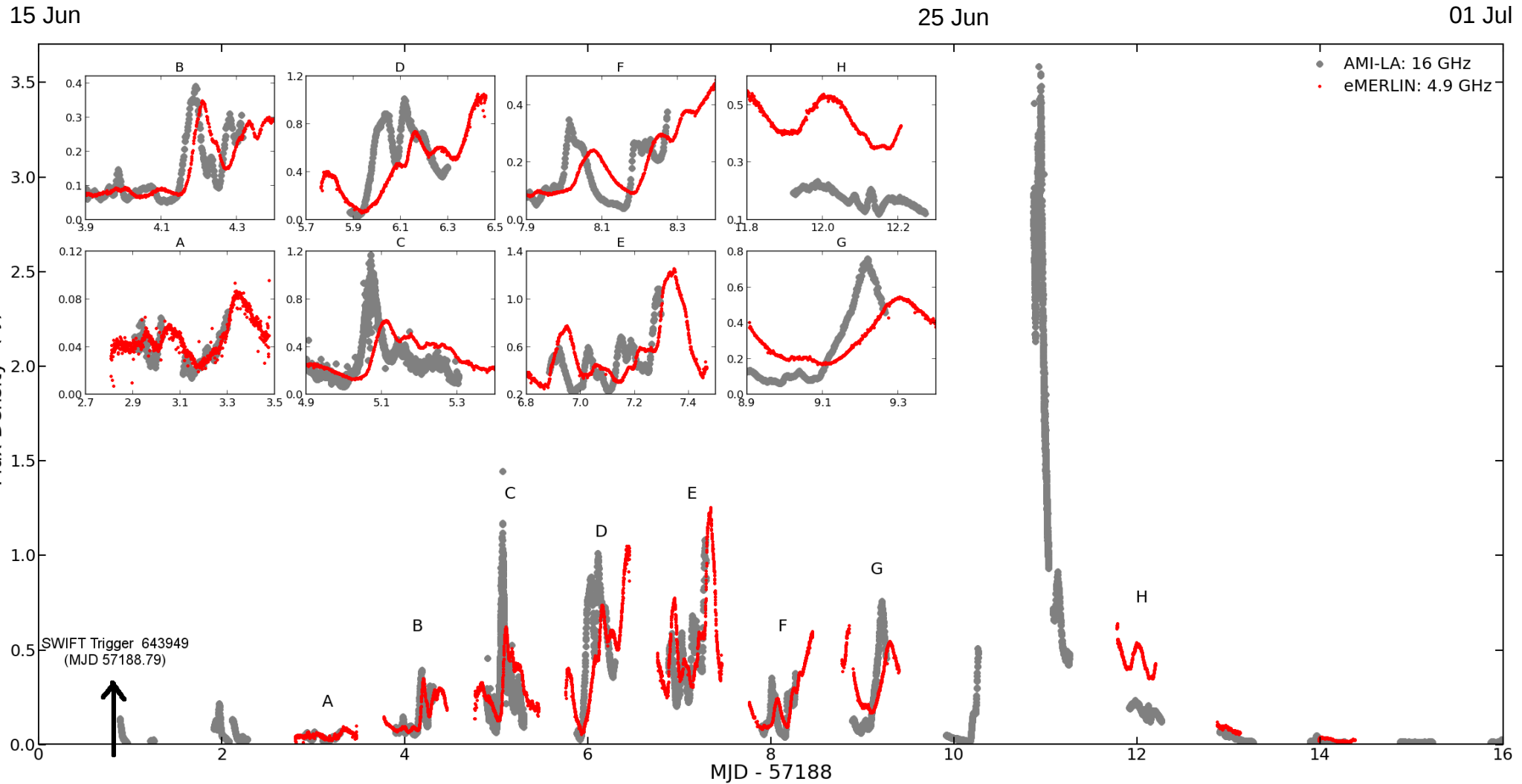
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AMI-LA Rapid Mode (ALARRM) Observations

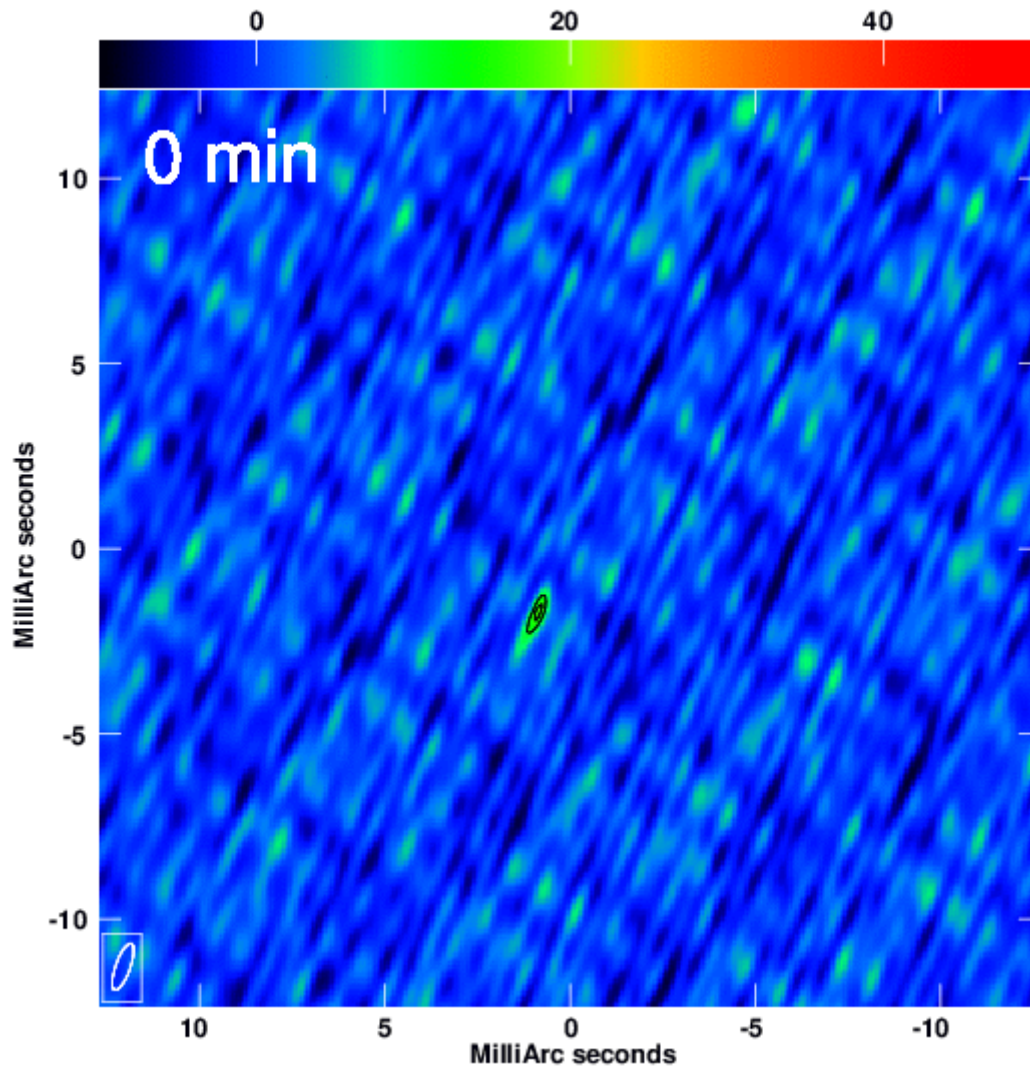


Comprehensive Radio Coverage with AMI-LA and eMERLIN

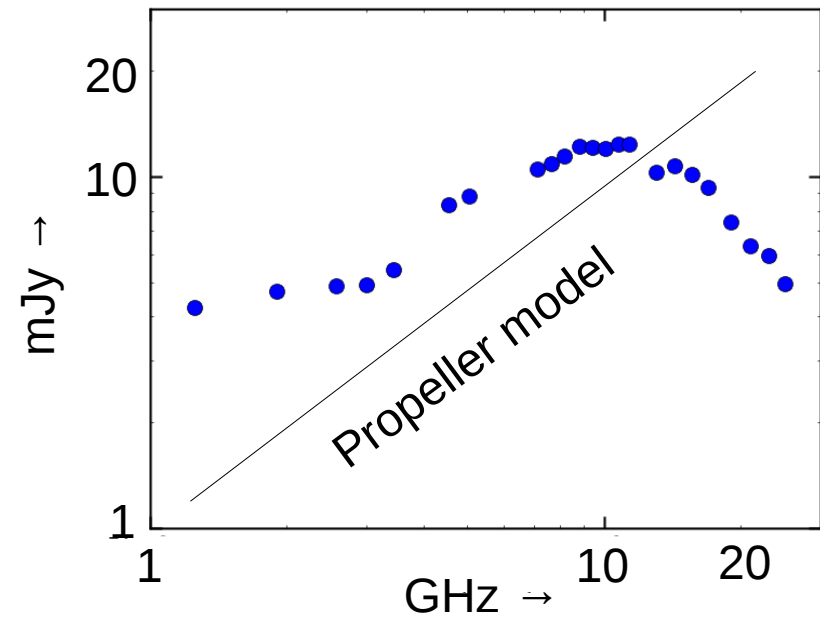
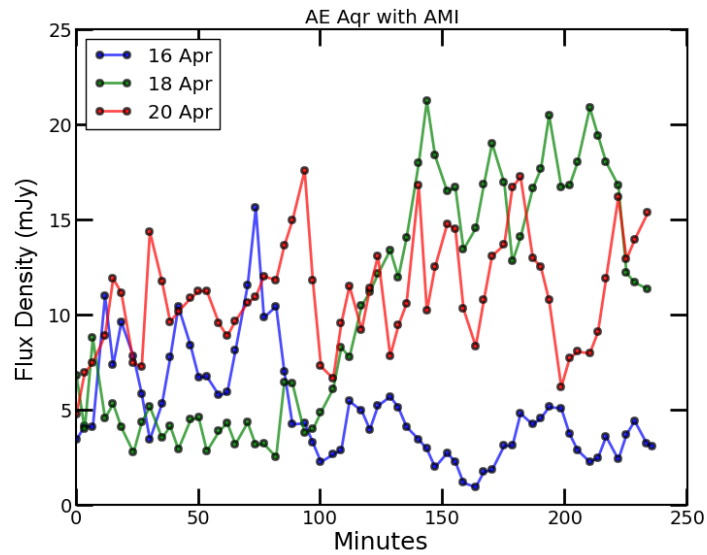


High Resolution Images reveal Jet and Blobs

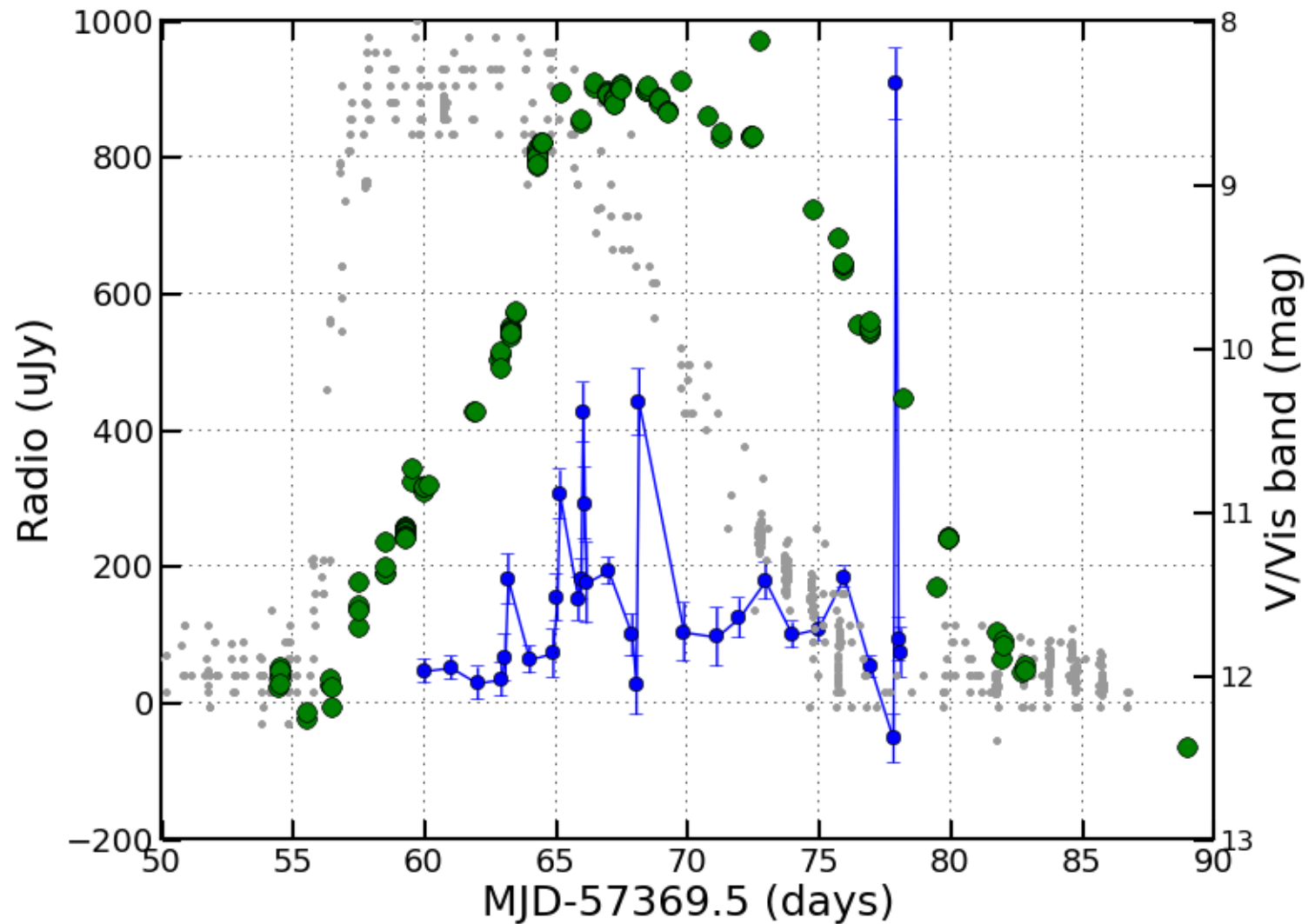
Credit: James Miller-Jones



AE Aqr (Magnetic CV)



SS Cyg (Dwarf Nova)



Multi-frequency, High-resolution and Rapid-trigger programs are vital for slow transient science!

