Untriggered search for rapid optical transients with Mini-MegaTORTORA wide-field monitoring system

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Special Astrophysical Observatory, near 6-m telescope
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Nine channels, ~900 sq.deg. FOV and high temporal resolution (0.1 s typical exposures)

Independent detection and follow-up of rapid optical transients down to V~11m

10000 non-scintillation flashes detected since mid-2014, 1200 not identified with satellites in NORAD database

Regular follow-up of self-detected transients started in Feb 2016
To date, about 700 transients have been followed up, typically one to several tens per night

All of these transients are caused by satellite flashes
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Fermi GRB 160625B

Detected by Mini-MegaTORTORA and Pi of the Sky wide-field cameras due to GBM precursor with ~4 deg. error box

Quite similar to Naked-Eye Burst, GRB080319B
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Trigger LVC_194575 at 2015-10-22 13:33:19.942000